A PILE OF RUBBISH

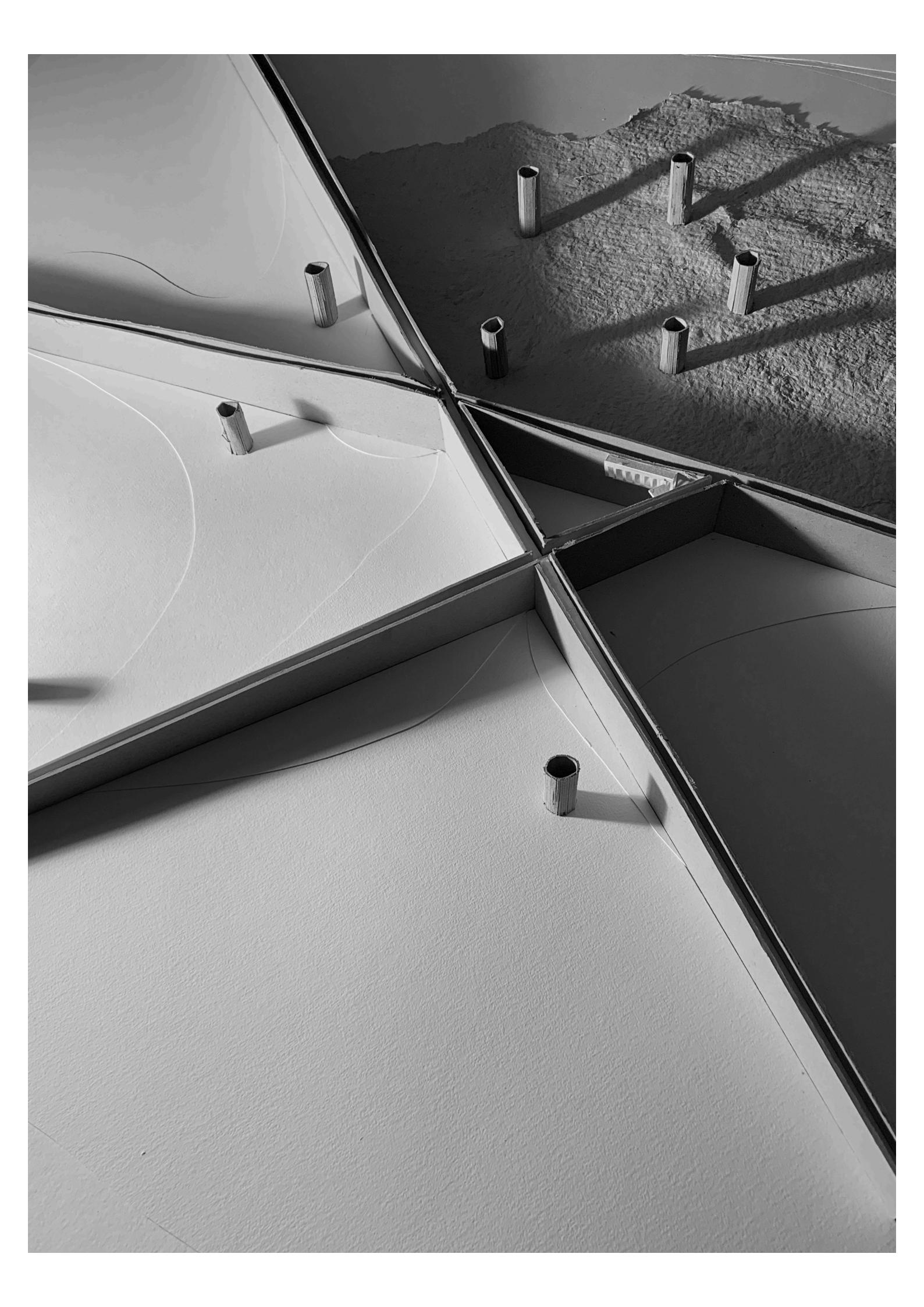
Christian Swallow

cs938

In 2024 Rainham Landfill will be closed and converted into a nature park. This project works within existing policy and legislation to envisage what that park could be. It critiques the short-sightedness of current approaches and proposes a more holistic, long term view of Landfill management.

We are all stardust, we are all trash. Spending time in rubbish places, with their people and their gulls, we may begin to unpick the weave of this rag rug world.

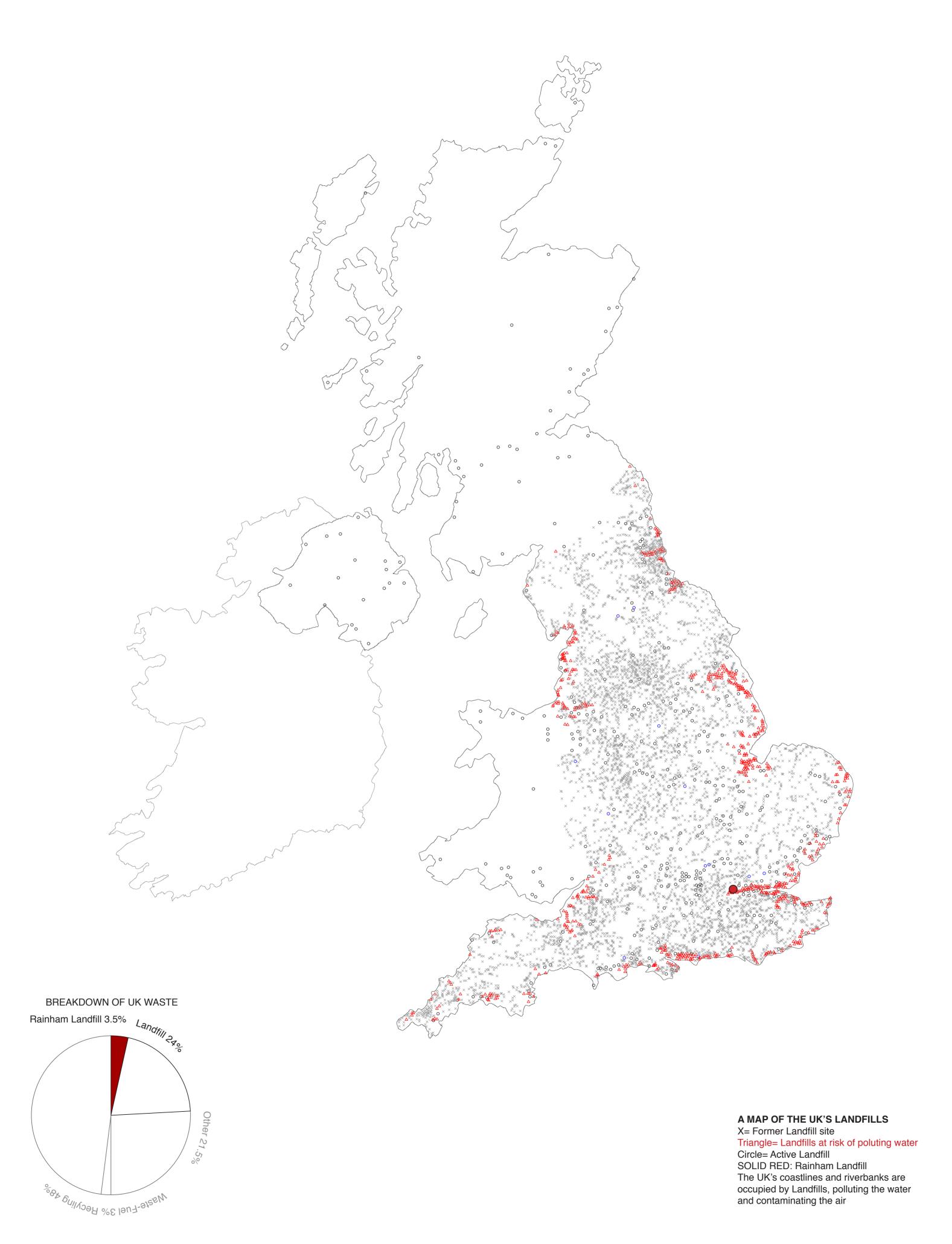
Tim Dee, Landfill, 2018

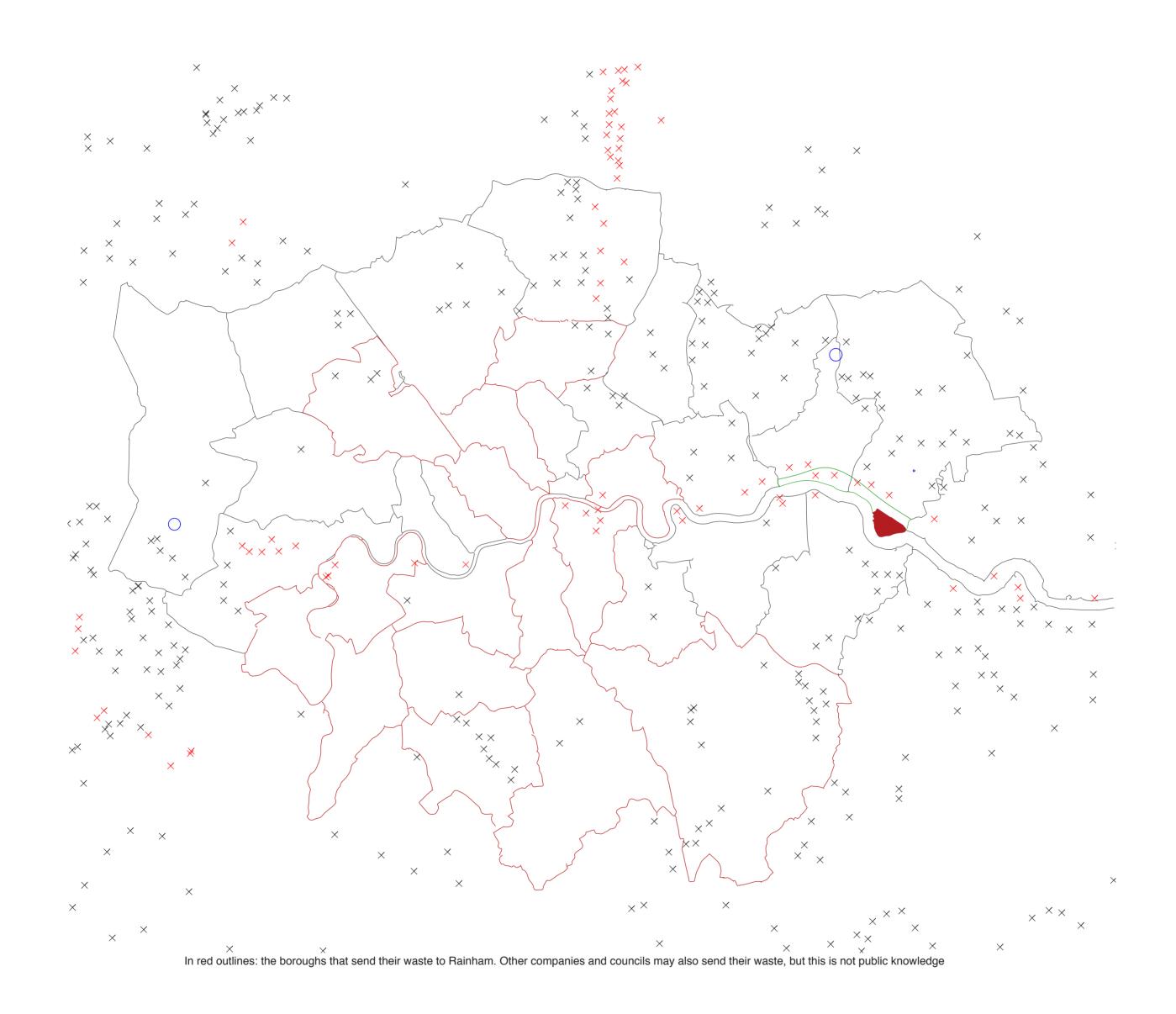


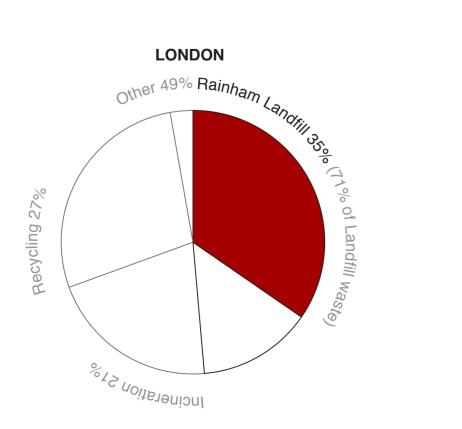












X= Former Landill site

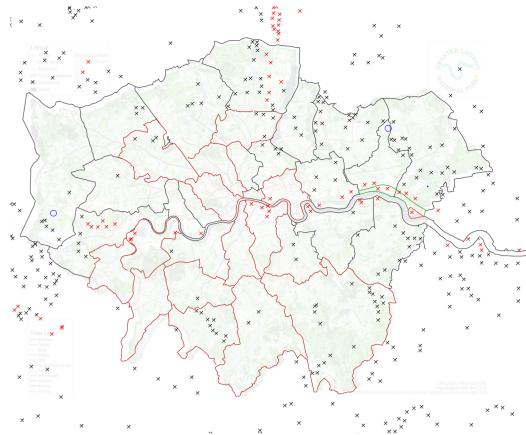
X/Triangle= Landfills at risk of poluting water

Circle= Active Landfill

SOLID RED: Rainham Landfill (not to

(not to scale)





THE 2013 LONDON PLAN:

THE ALL LONDON GREEN GRID

A regeneration scheme aiming to "Restore previous mineral extractions and landfill sites with an accessible landscape structure of woods and hedgerows for instance the landfill site at Rainham when this becomes inactive."

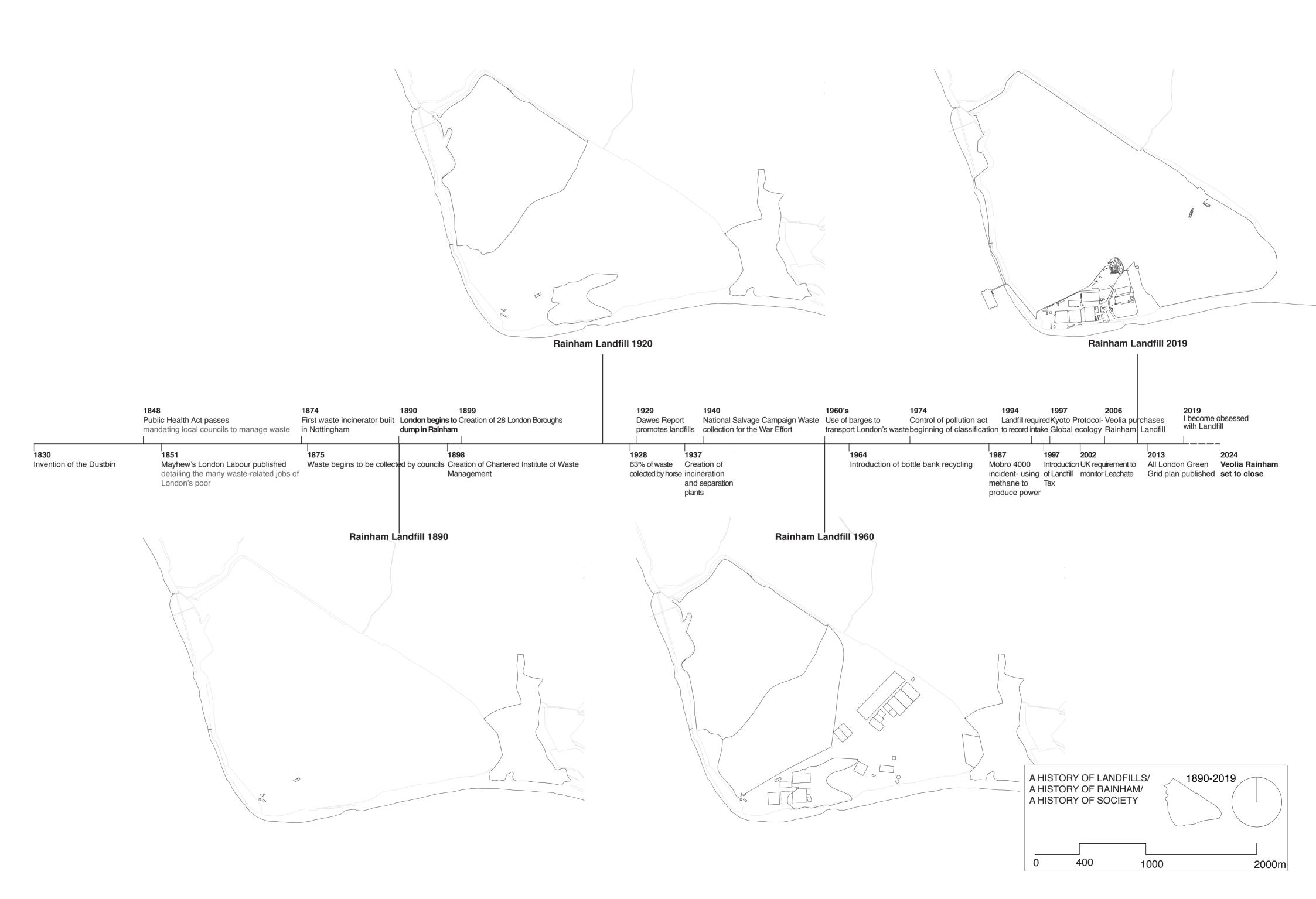
KEY AREA: LONDON RIVERSIDE (outlined to the left)

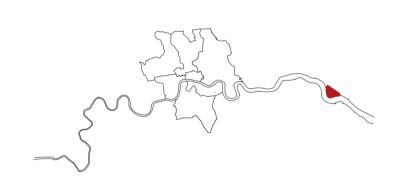
Rainham Landfill is **set to close in 2024** as part of The All London Green Grid's regeneration of the eastend's riverfront.

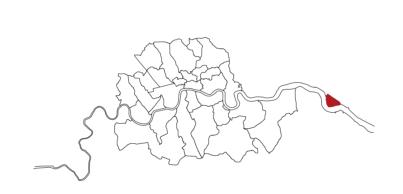


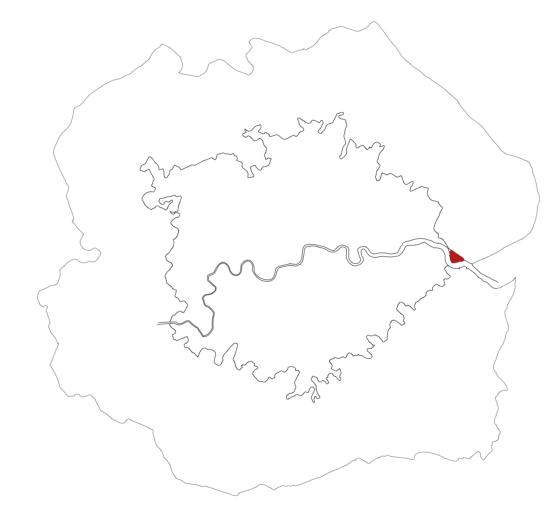


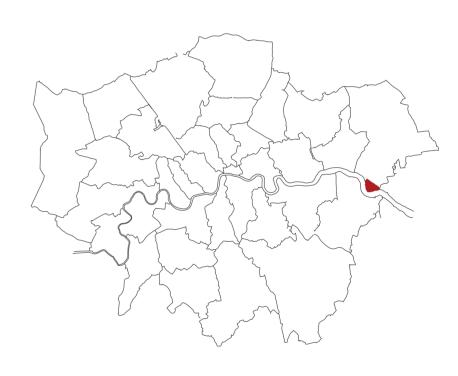










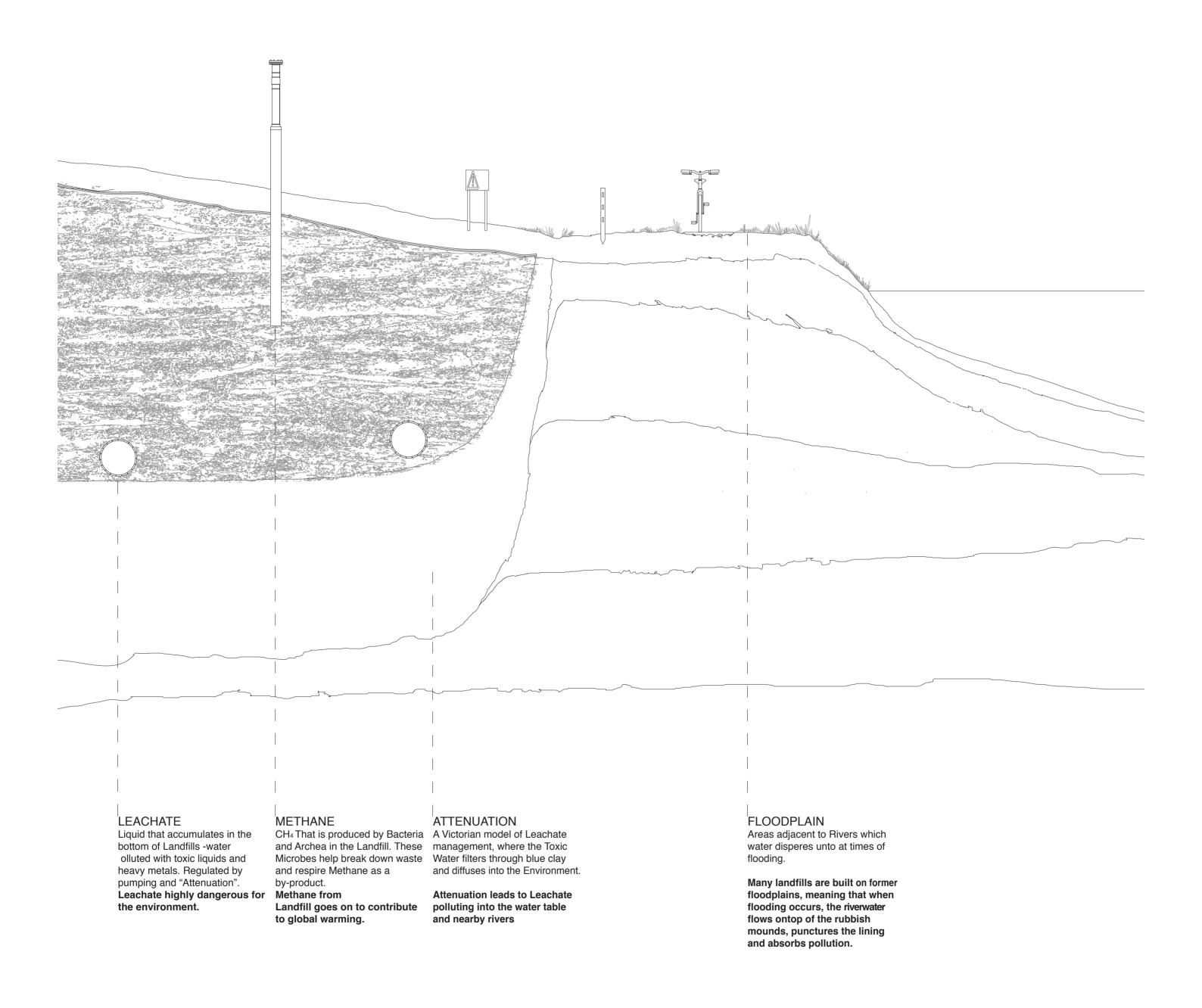


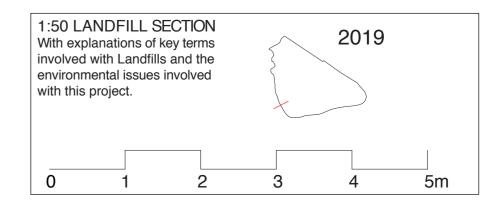
"In Ecological Awareness, "Away" has disapeared [...] we know our waste doesnt go to some special place called 'Away' it just goes some place else. If there is no *away*, then there is no *here*. We have lost reality."

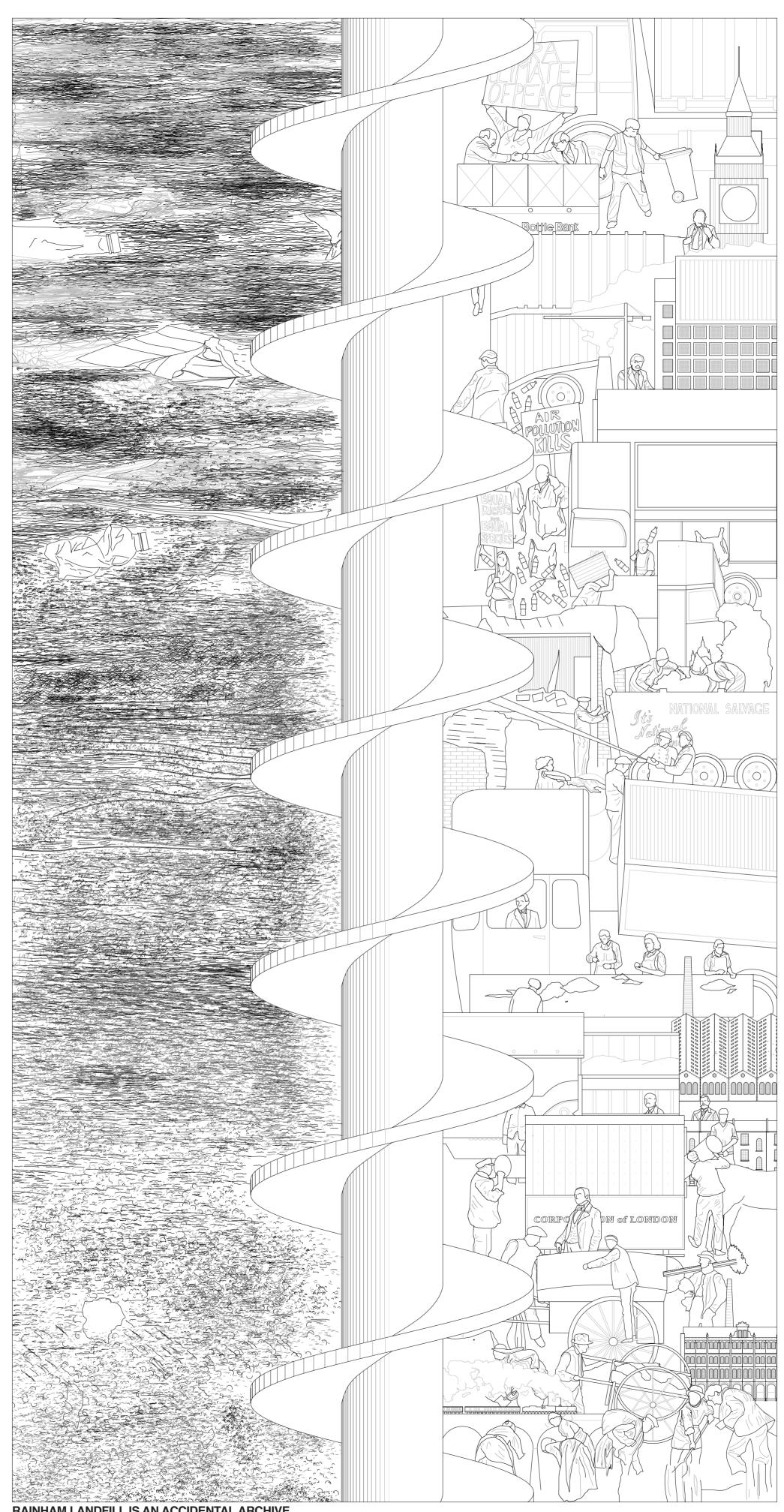
From Periphery to Focus: 1:50,000 plans of London: 1890, 1920, 1960, 2019

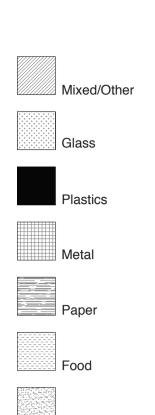
London began dumping in Rainham because it was Away from London, in the periphery. As London has grown, our awareness of this "out of sight, out of mind" attitude has also grown. Rainham Landfill is now hoped to be the grand finale of the London Riverside Project; **The Landfill has gone from being an unfortuneate necessity to a focus point.**

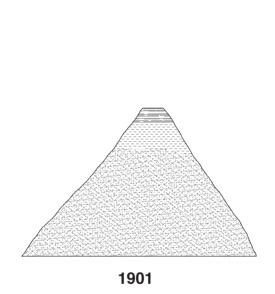
1: Timothy Morton, Being Ecological, Penguin 2017, p189

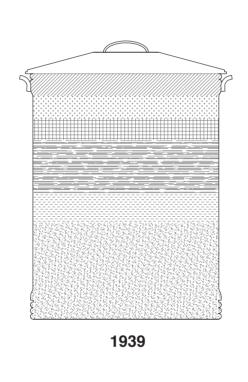


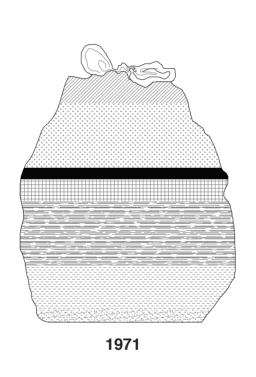


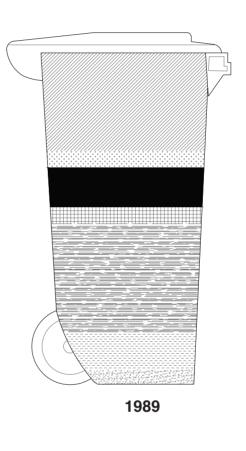


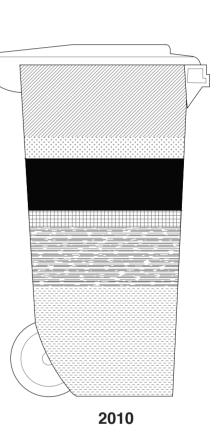


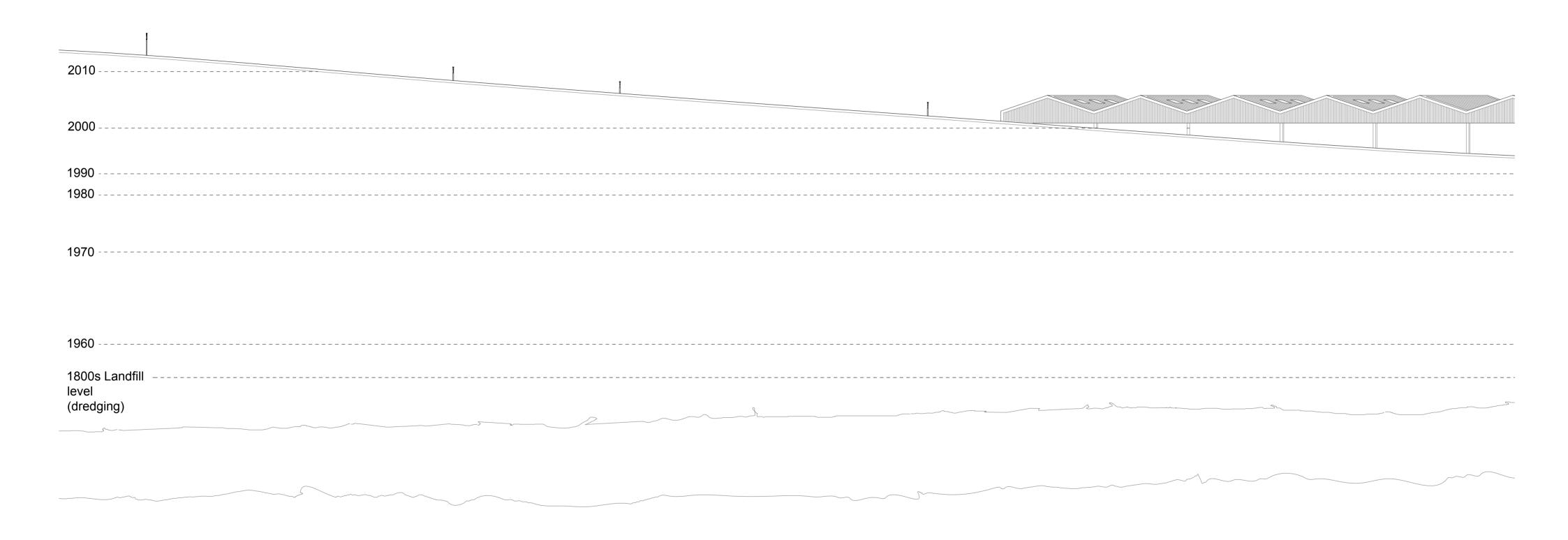


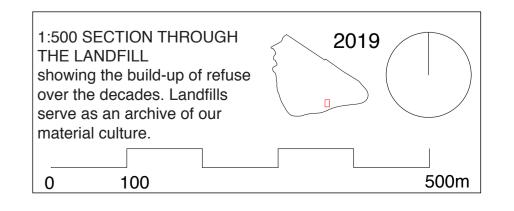






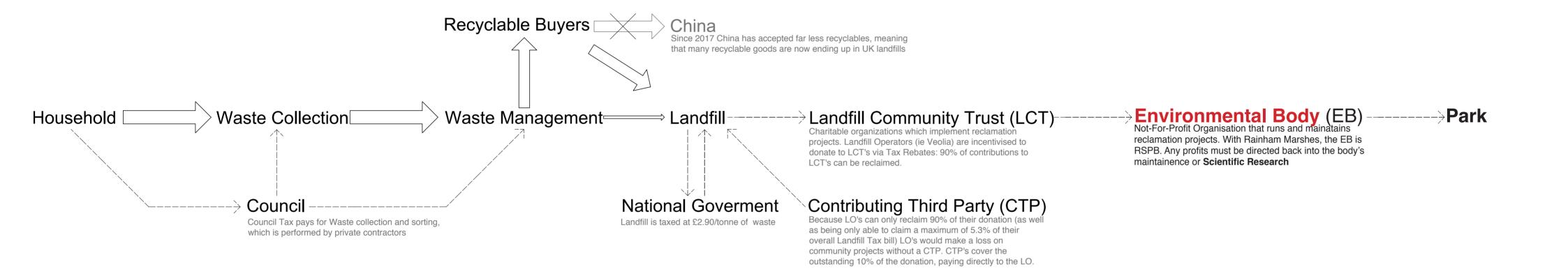


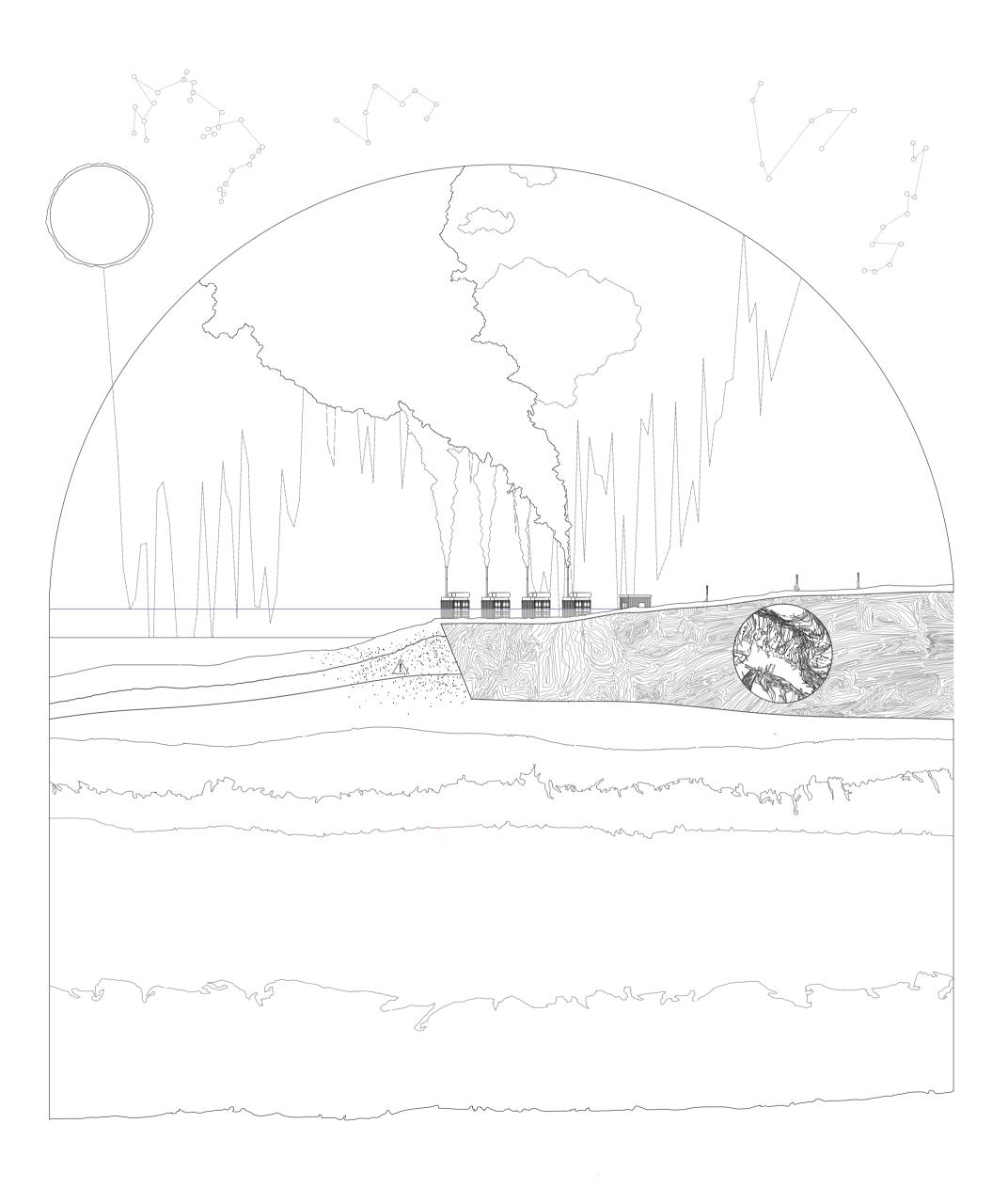




"Restore previous mineral extractions and landfill sites with an accessible landscape structure of woods and hedgerows, for instance at Rainham's landfill site when this becomes inactive."

Objective of the London Riverside Project, 2018





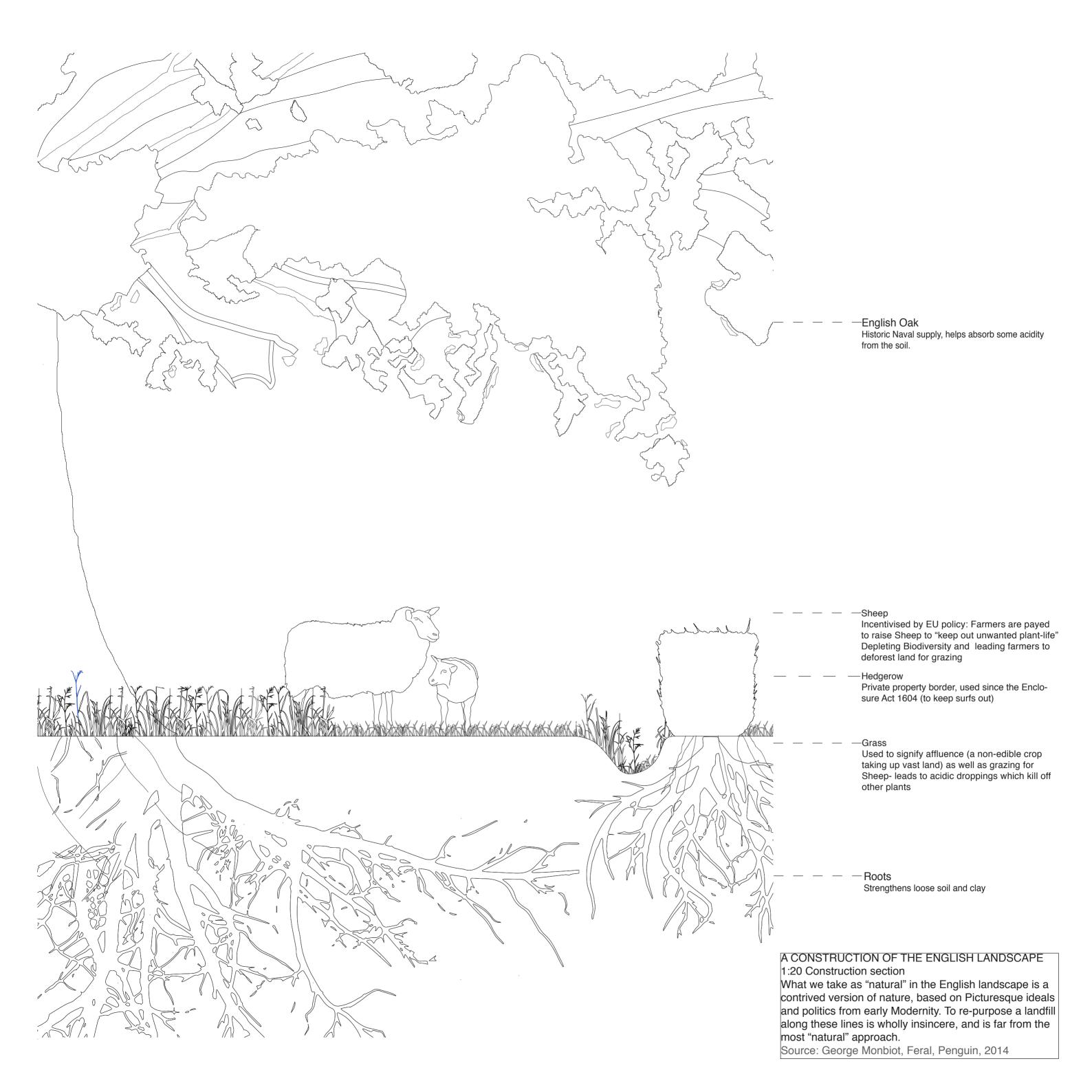
Sun's Radius 1:500000000000

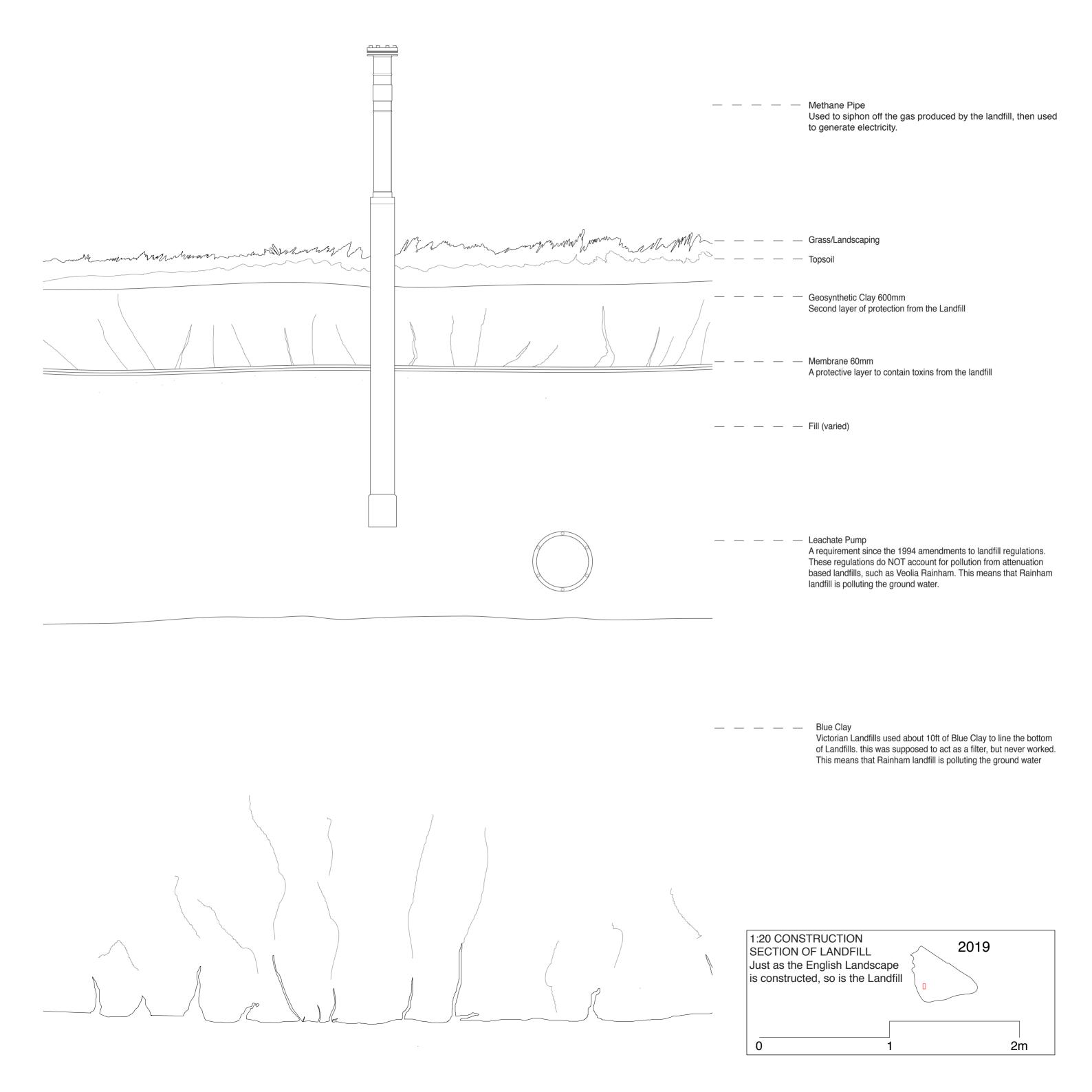


An idylic post-landfill Landscape



The side effects of the idylic
Current UK Landfill reclamation projects concentrate largely on picturesque aesthetics rather than dealing with what is beneath the surface. This comes back with a vengence in the form of water contamination.





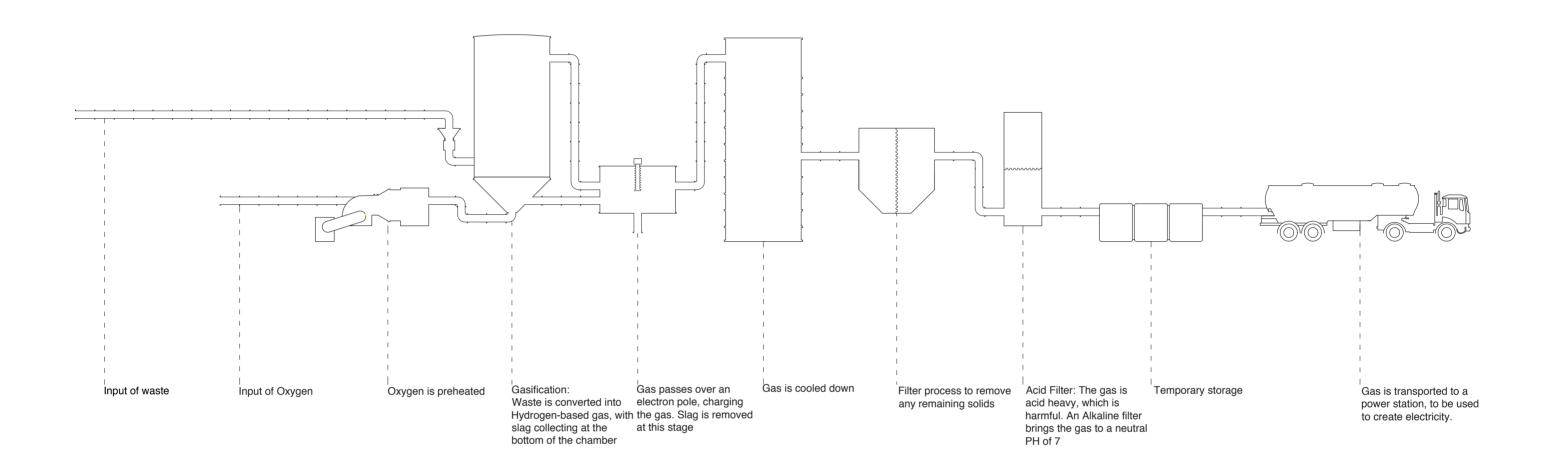






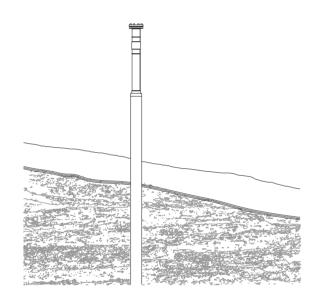
"In Ecological awareness, Away has disapeared. We know our waste doesn't go to some special place called away, it just goes some place else. We have lost reality"

Tim Morton, Being Ecological, 2017

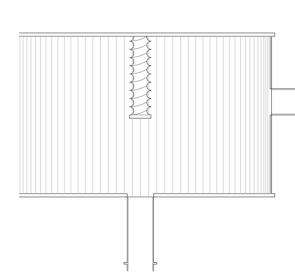


A diagram of the Gasplasma process, showing the conversion of waste to fuel and aggregate.





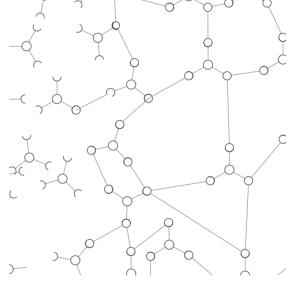
Excavation of Landfill



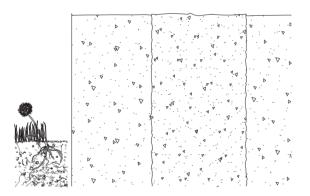
Conversion of Landfill into Gasplasma and Plasmarok



Plasmarok is processed to optimum size for concrete



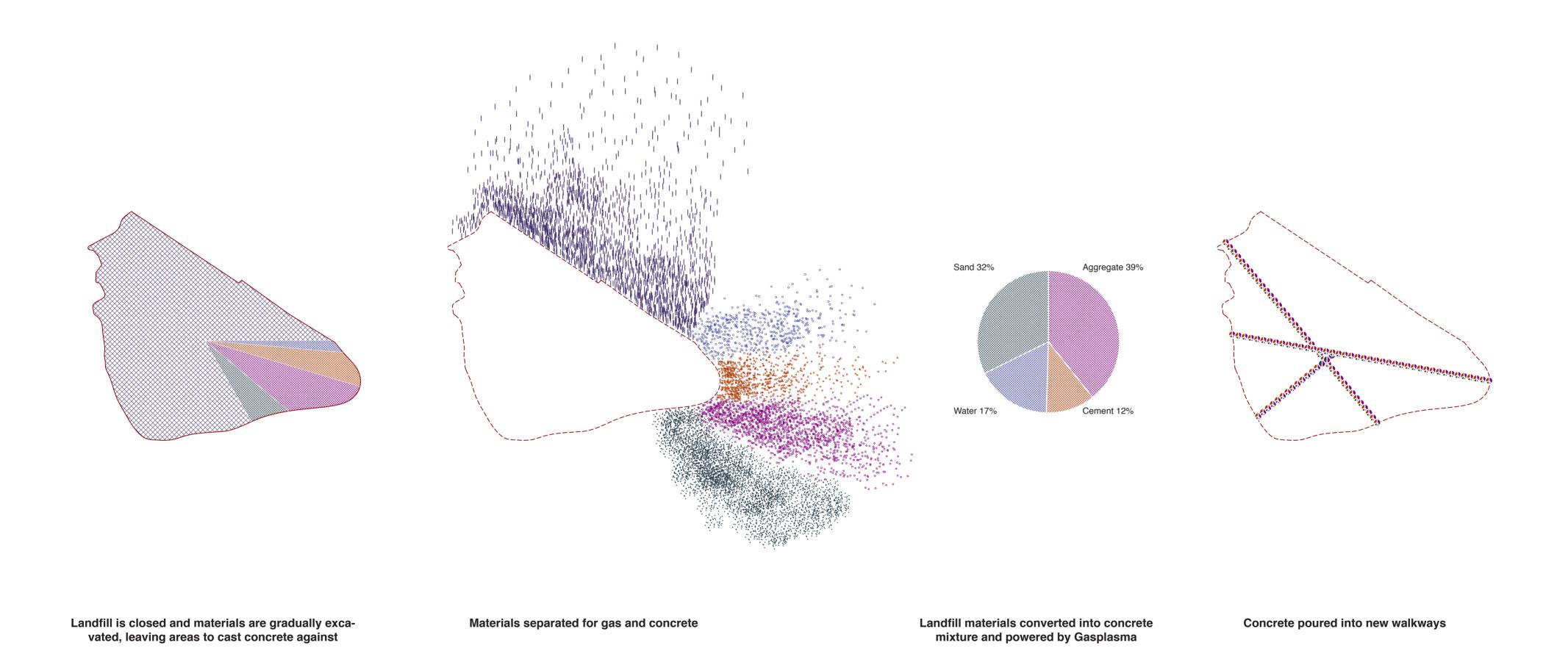
Polymerization and hardening of Plasmarok aggregate and Cement



Concrete containing Plasmarok is poured, requiring a longer curing time than typical concrete

FROM WASTE TO CONCRETE

Outlining how Landfill can be used to create concrete. Because the process uses landfill which would emit Co2 if left alone, the process considerably offsets potential Carbon Dioxide emittance





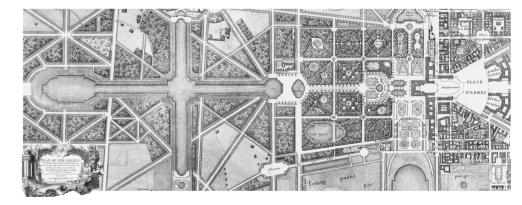
5m





VERSAILLES ON A LANDFILL?

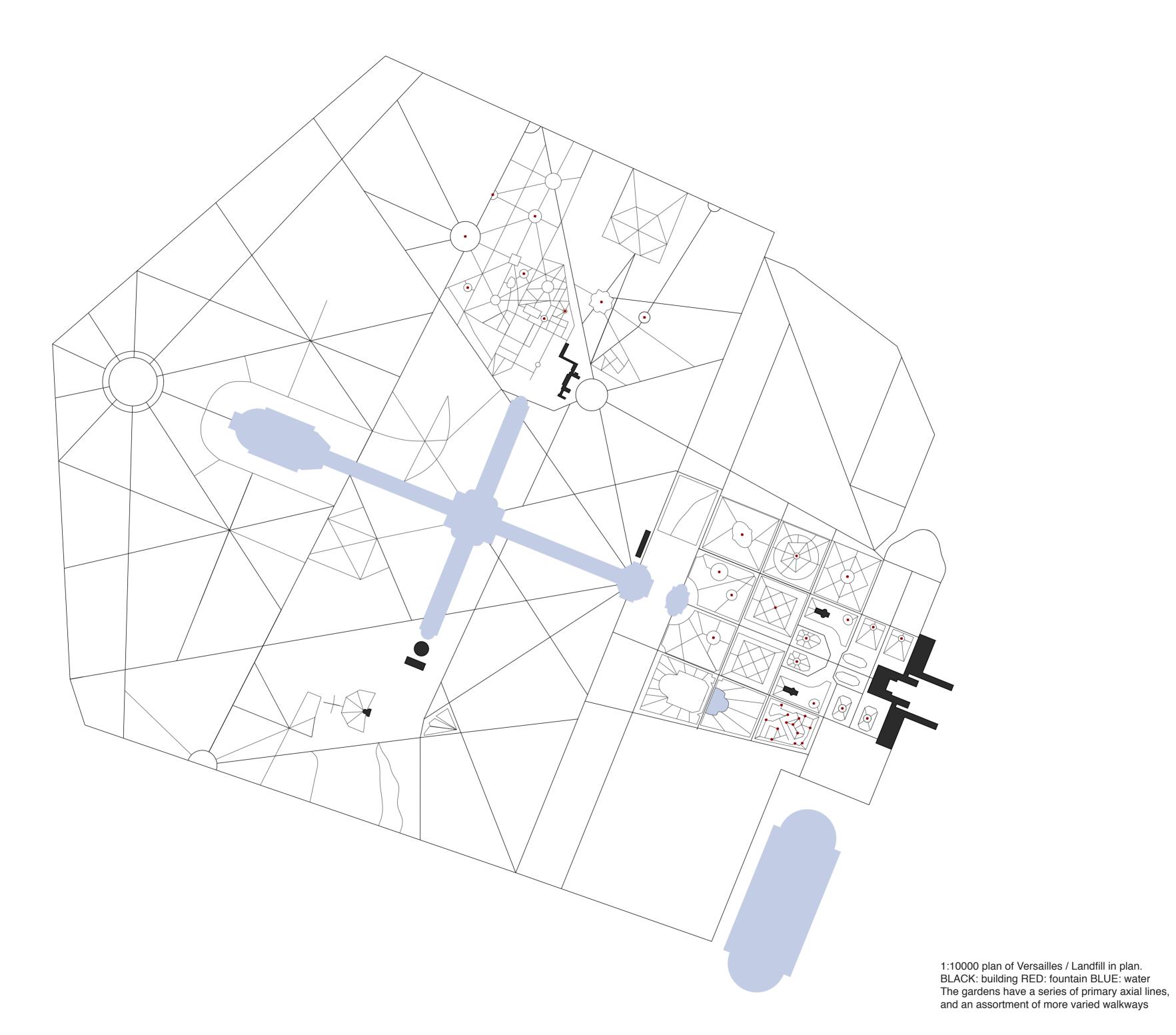
1:5000 mode



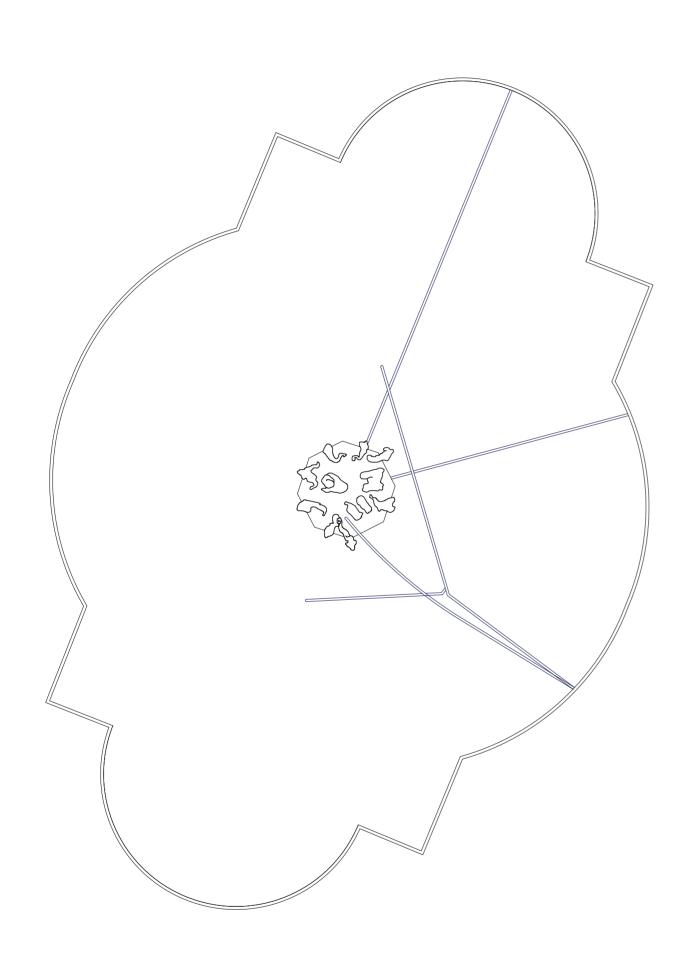
"Not only space, but time itself, as represented by the growing and ever changing plant material, seemed to be fixed and held in suspension by the overwhelming authority of the king and his garden agents. Beneath the hard edged reductive perfection of ruthlessly shaped and controlled trees and bushes, one can sense an abstract, almost brutal love of power, which, of course, was the chief characteristic of the age" Adams, The French Garden

Versailles is ordered and blatant in its construction, designed to be the center of the world. It is the antithesis of the current failing landfill policies.

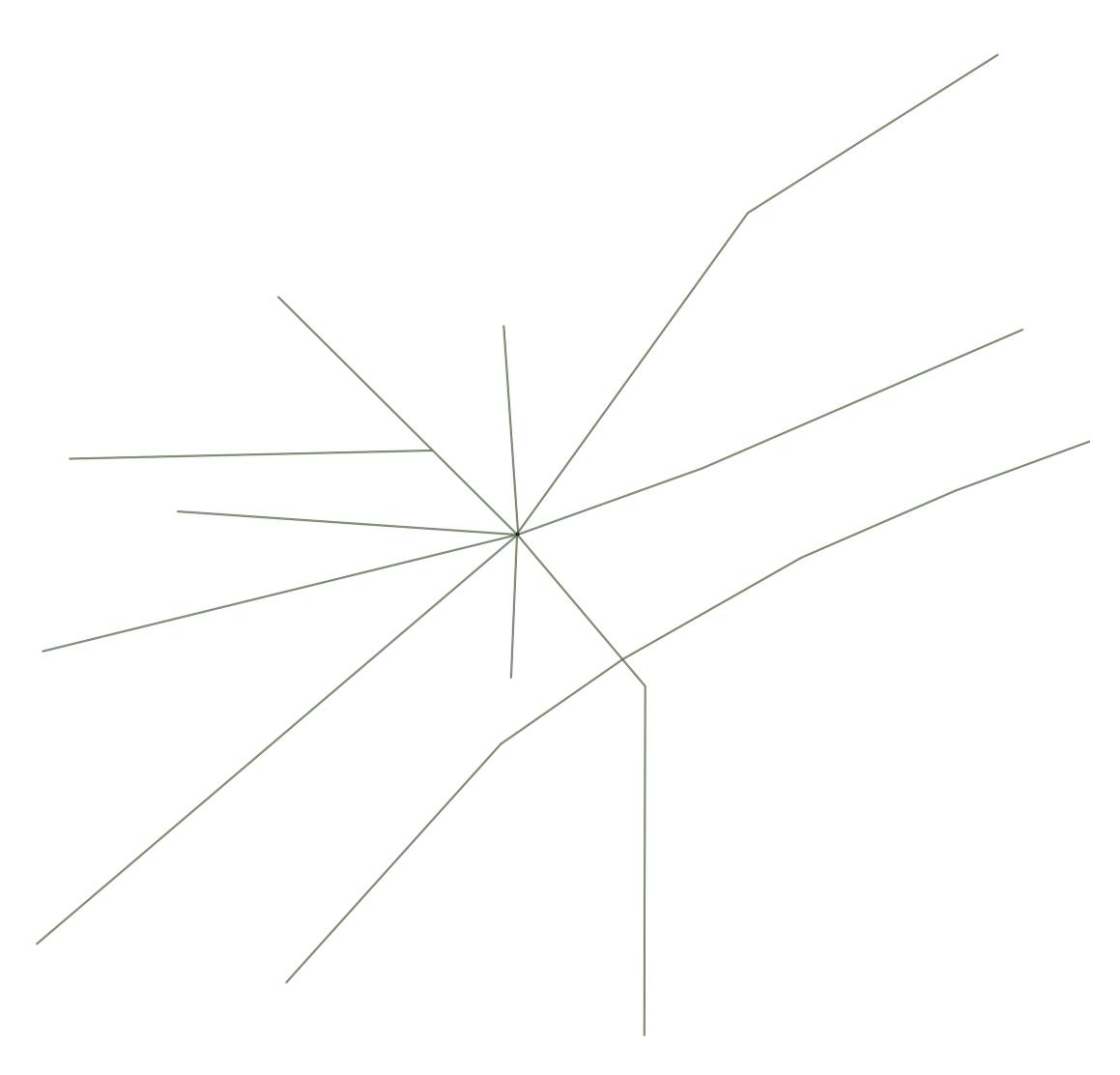
The solution for how we treat Landfill reclamation lies in Versailles.



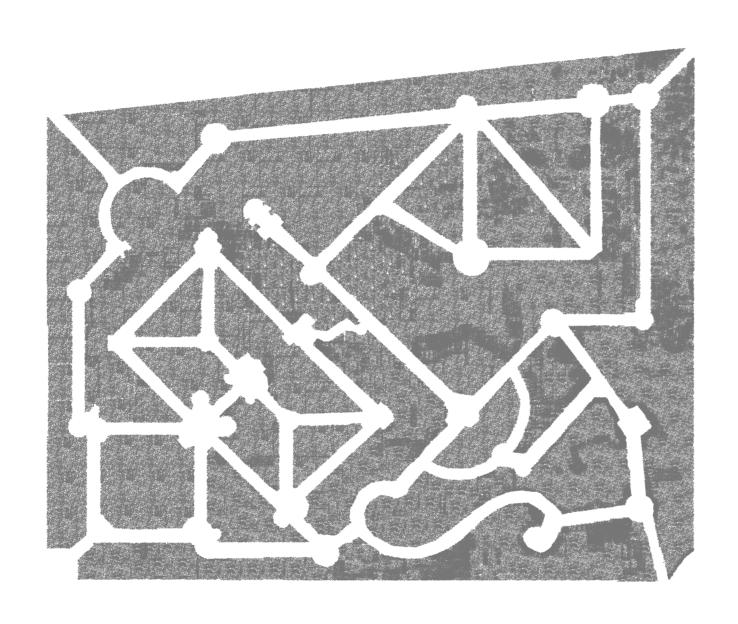








The pipes feeding a methane outlet on Rainham Landfill

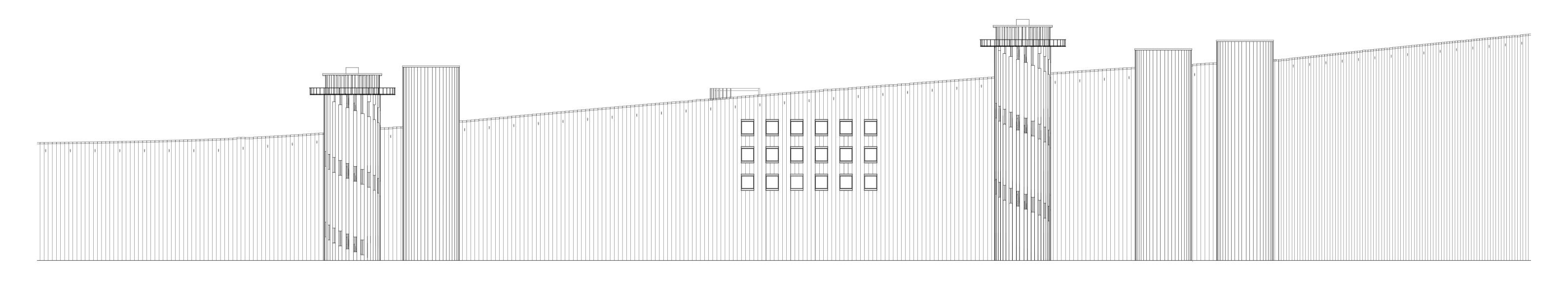


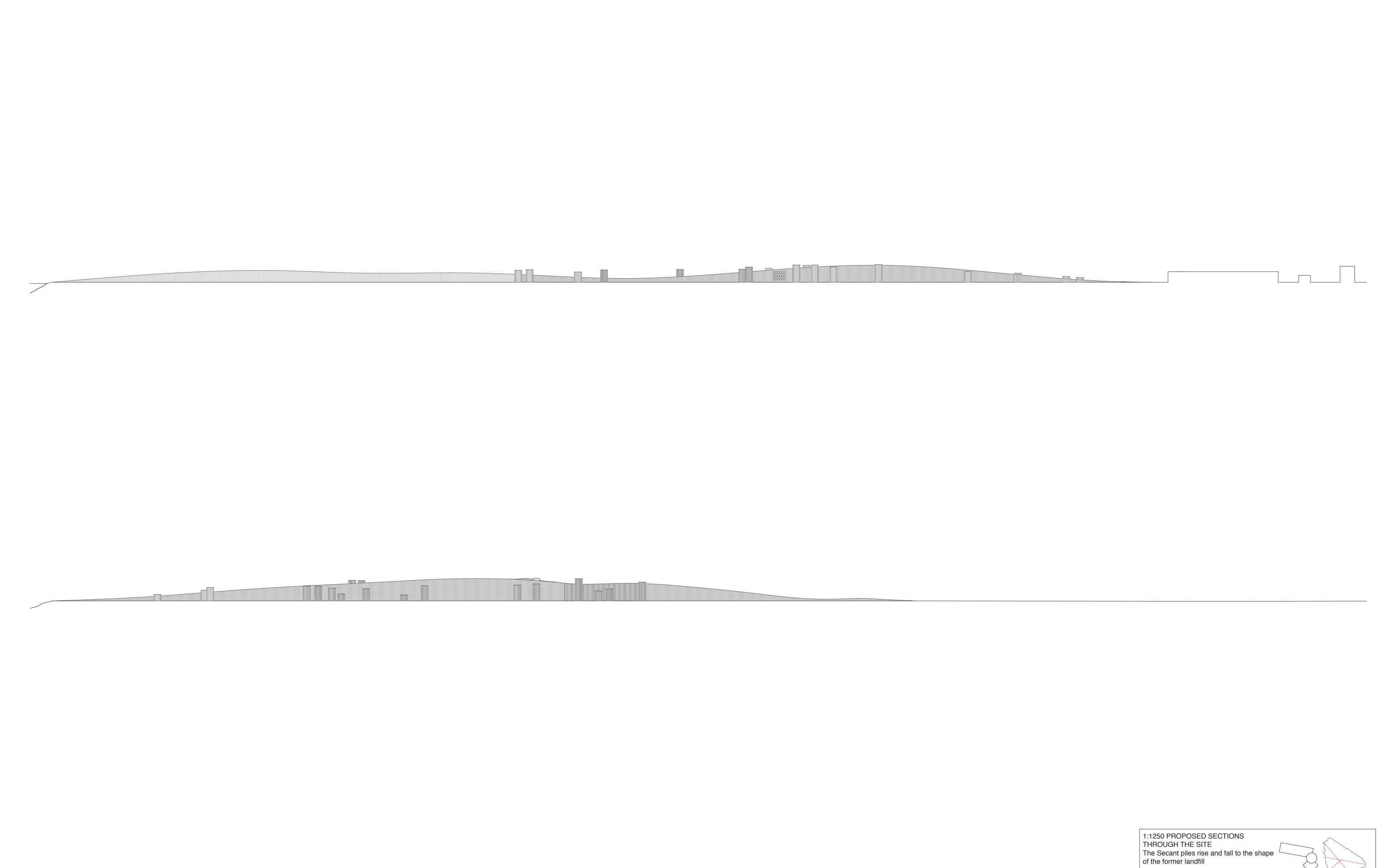
1:500 plan of the Labyrinth at Versailles



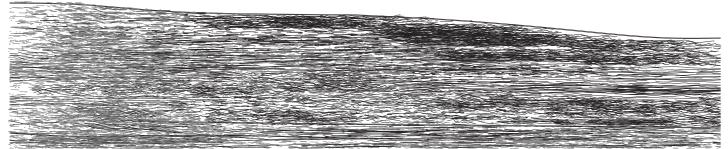
1:1000 plan of the paths and roads on the landfill

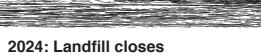


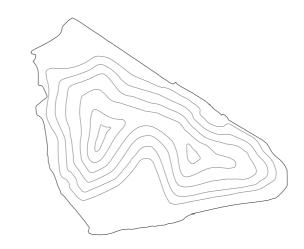


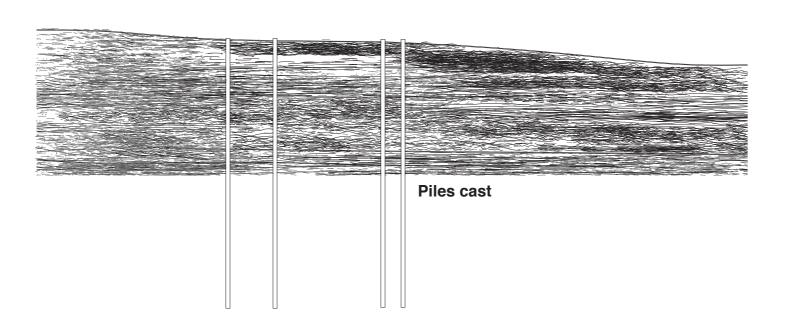


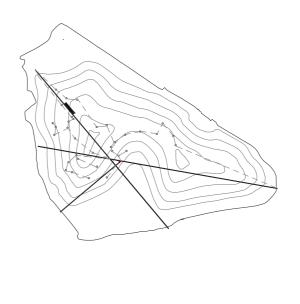
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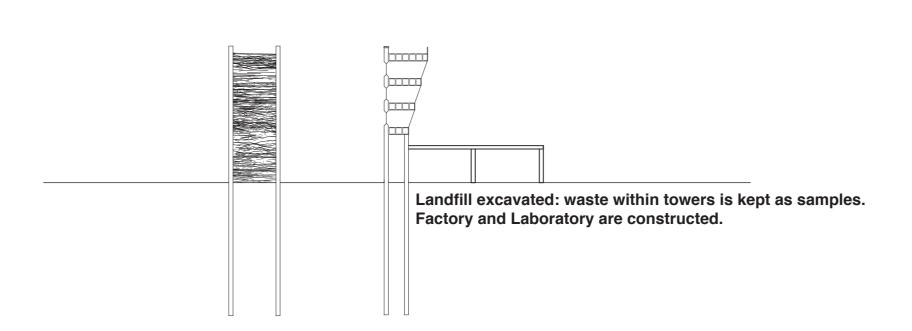


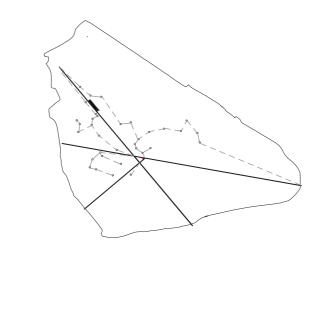


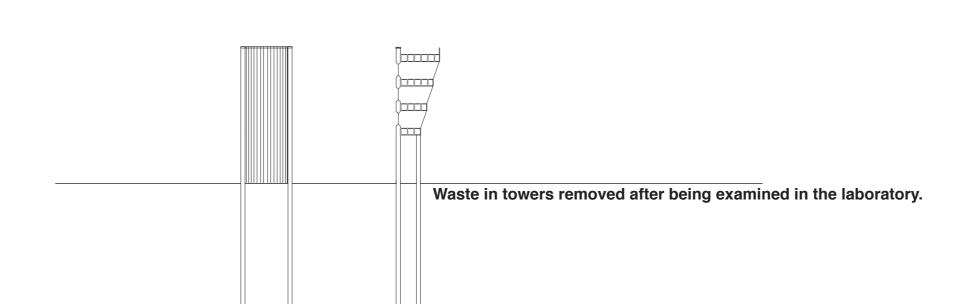


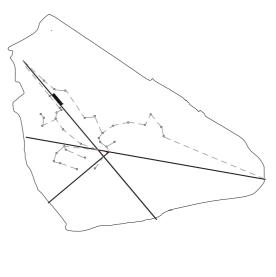


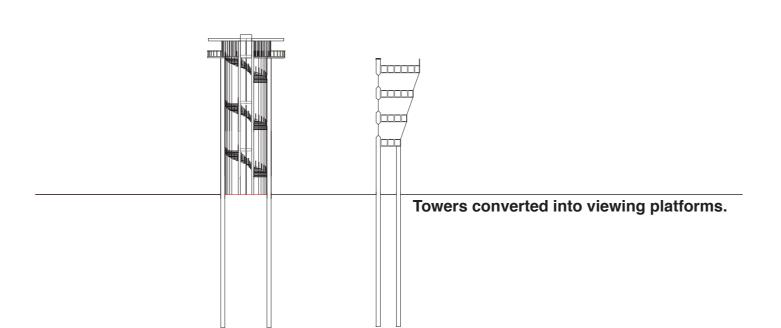


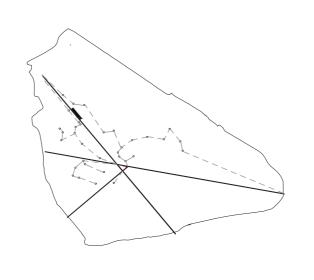


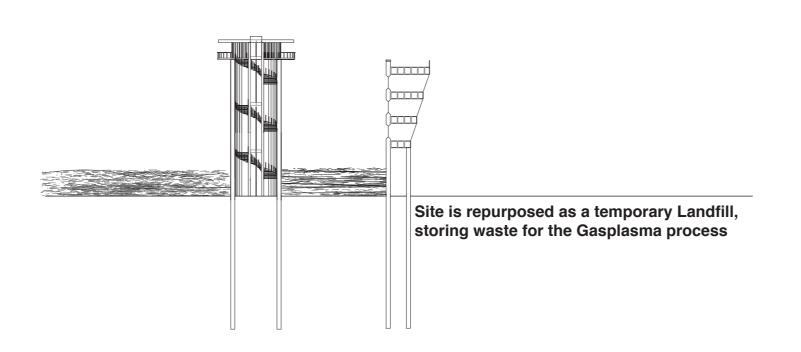


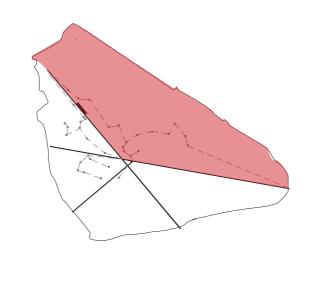


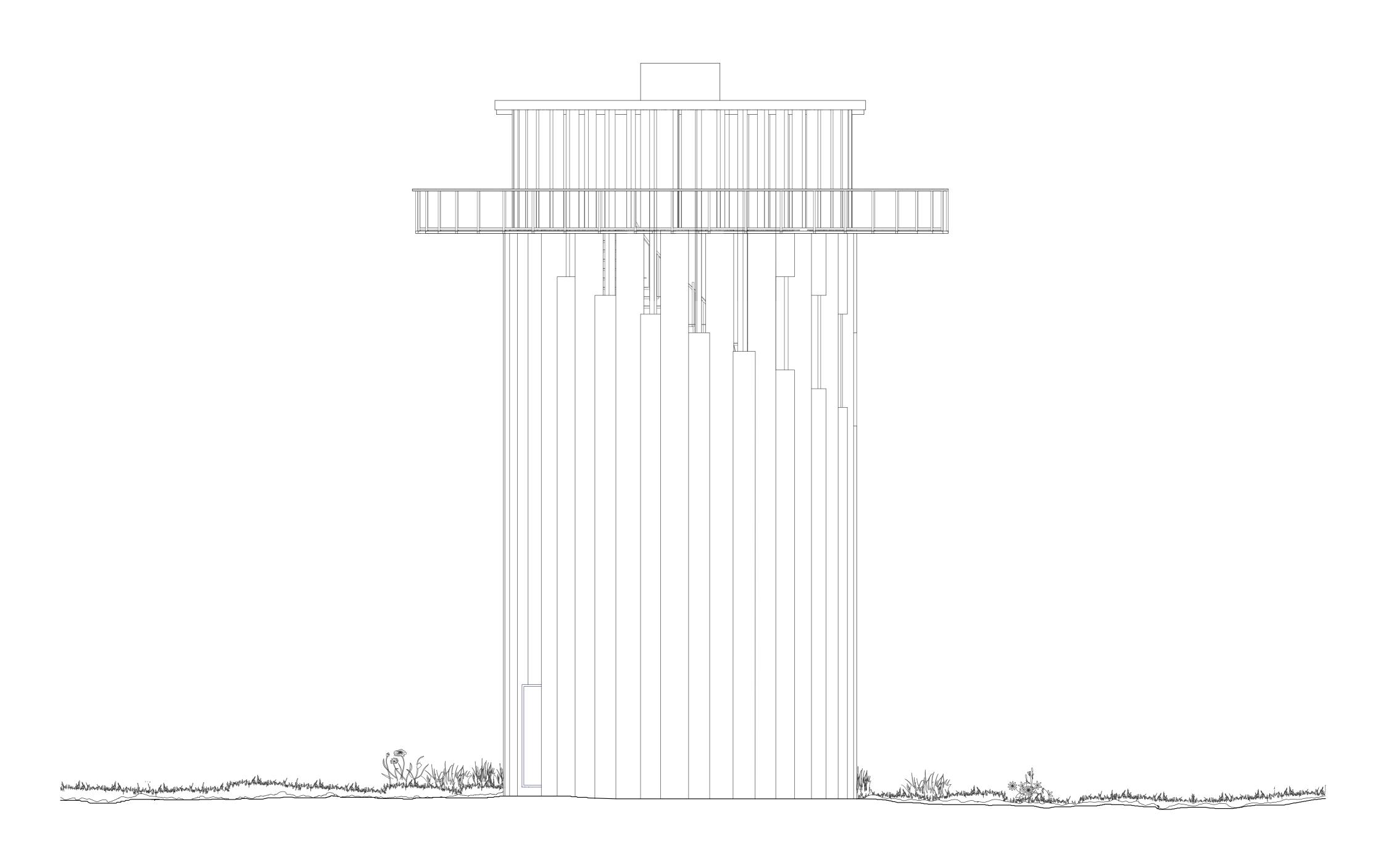


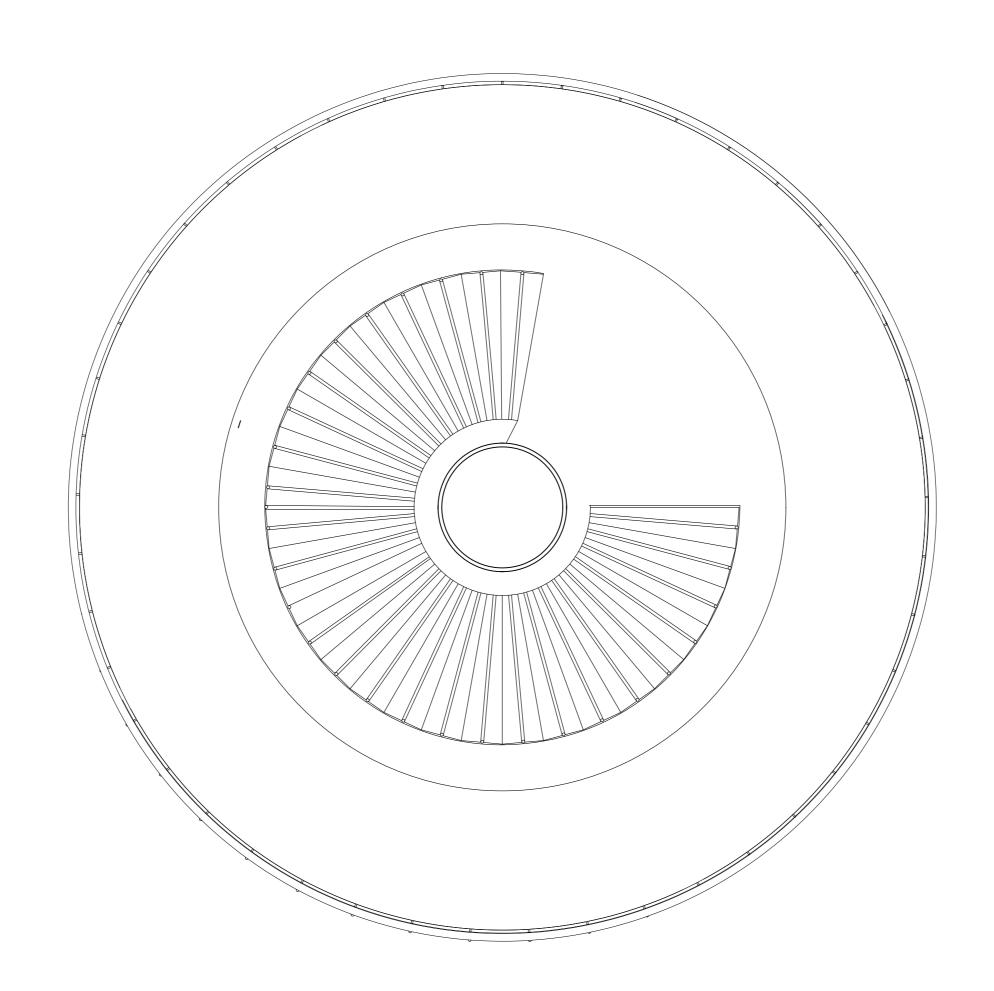


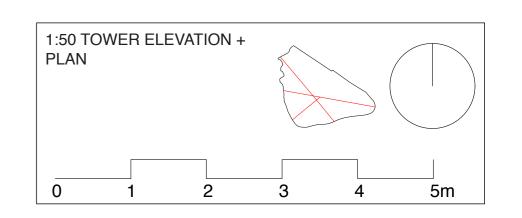


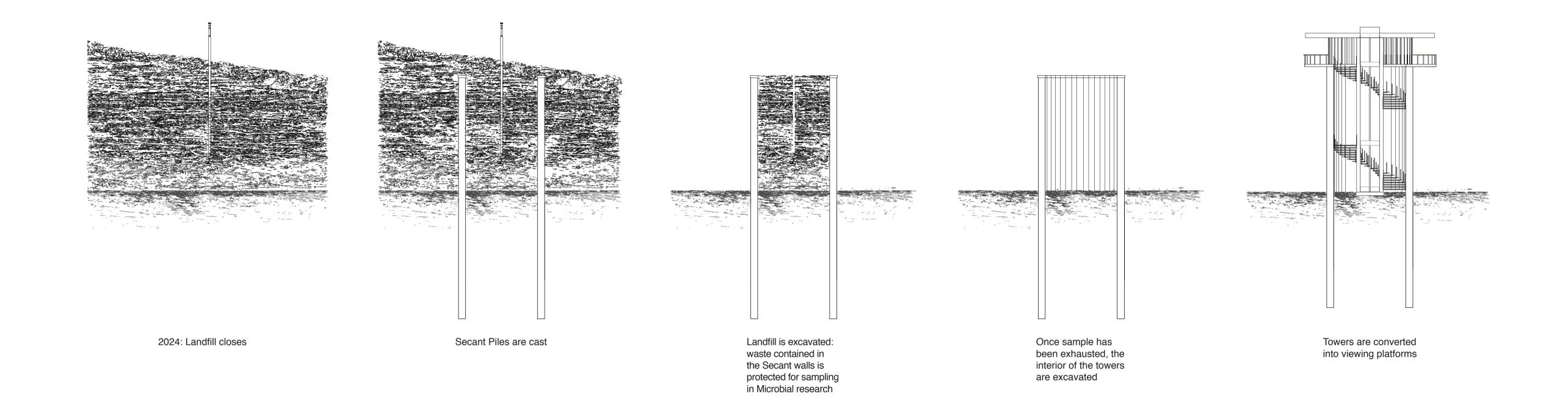


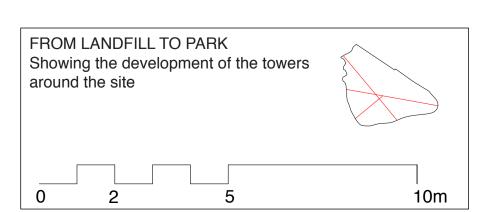














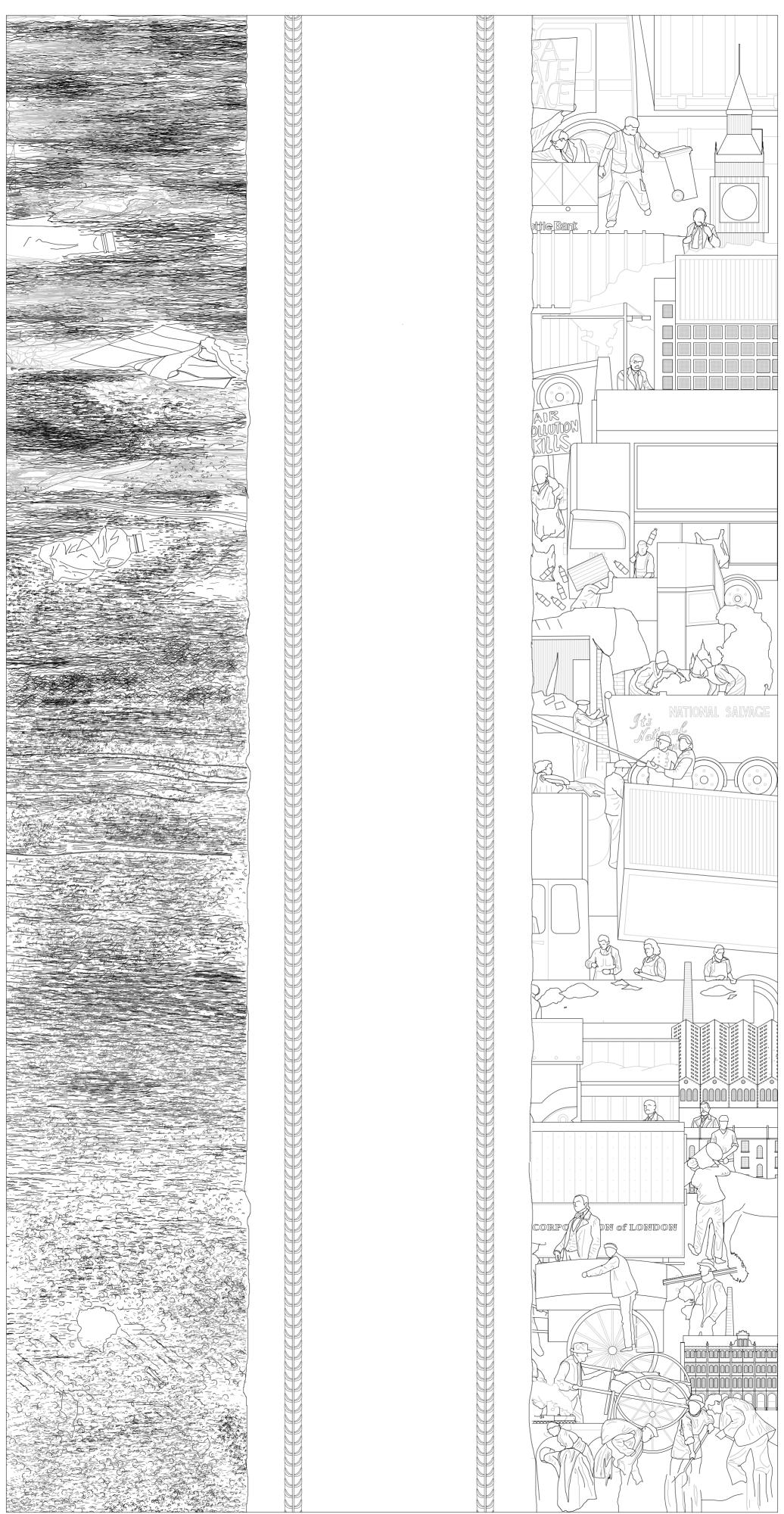
2019 Plastic content of waste given strong definitive outlines in the concrete



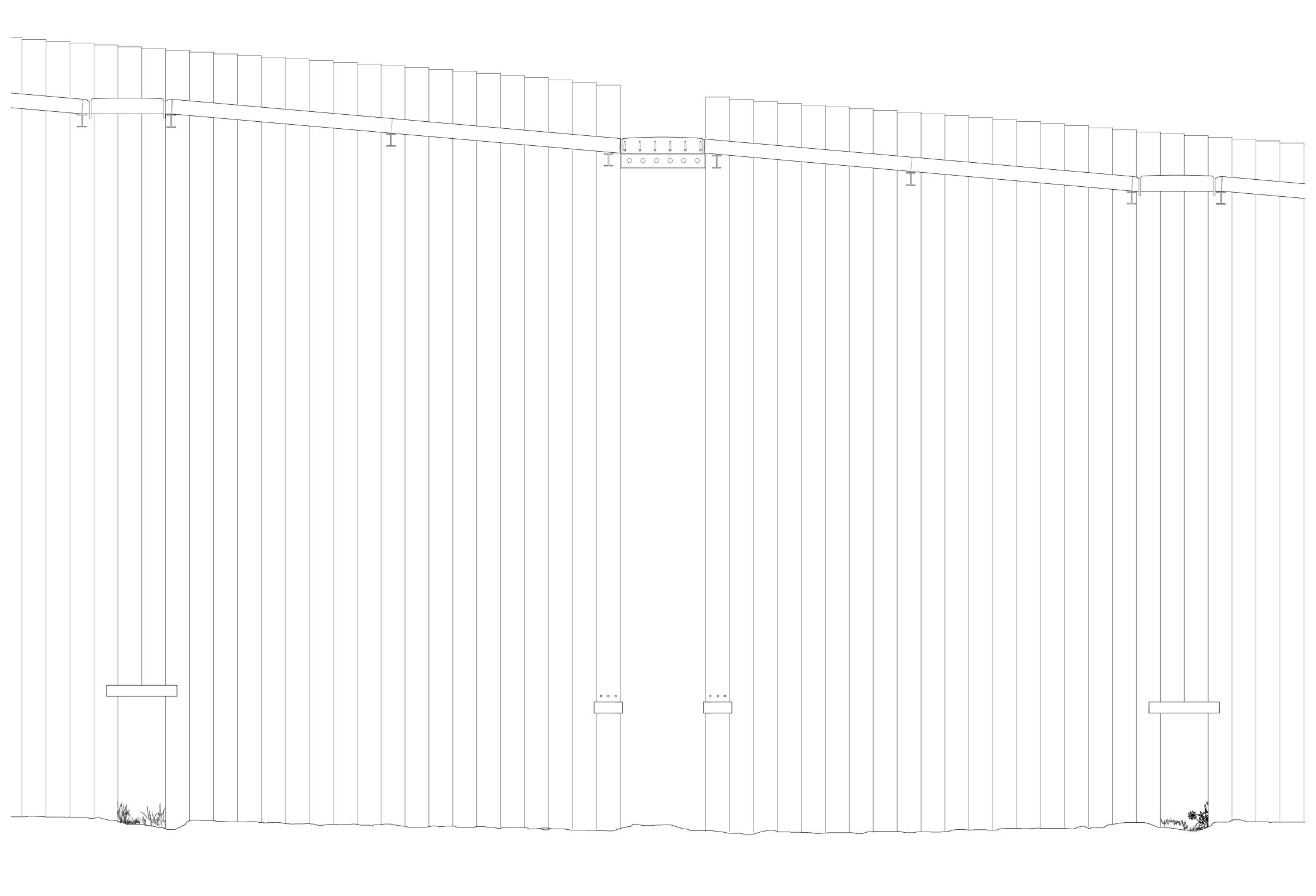
1960 Lots of paper (which doesn decompose in Landfill), giving streaky definition

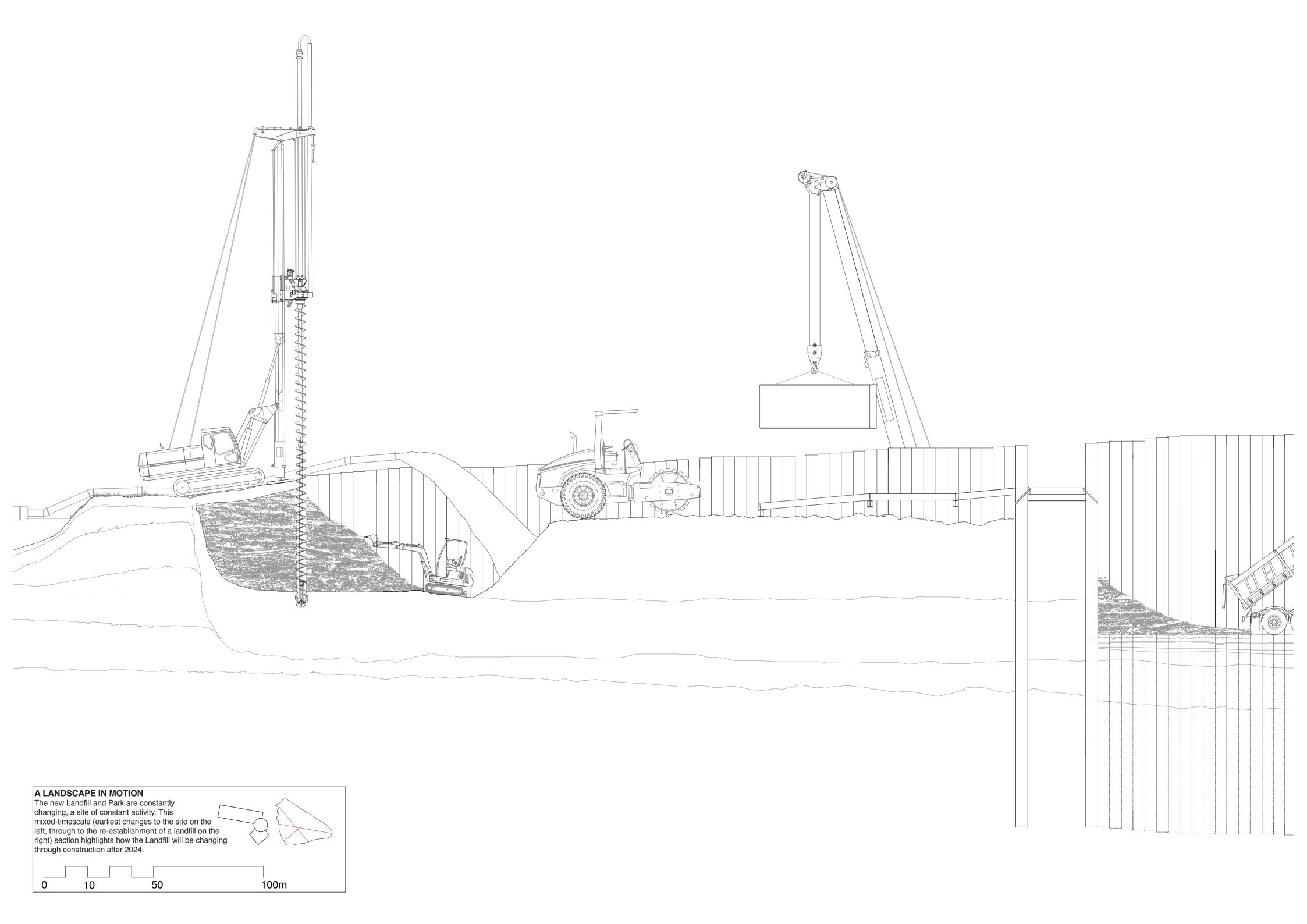


1900 Largely decomposed and compressed, little definition



The Secant Piles hint at the former landfill. It bridges the gap between past and future.

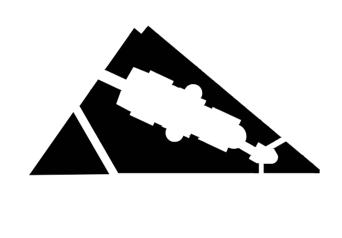


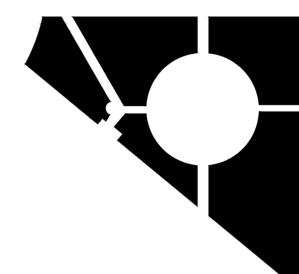


"My waste was no longer within my sight or smell, but surely it fell within others'. What impact did my rejectamenta have on other living things?"

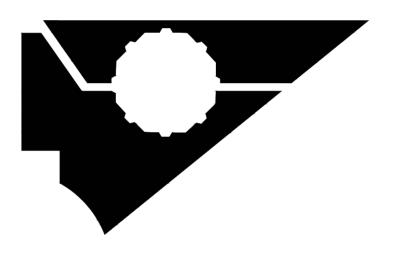
Elizabeth Royte, Garbageland, 2005





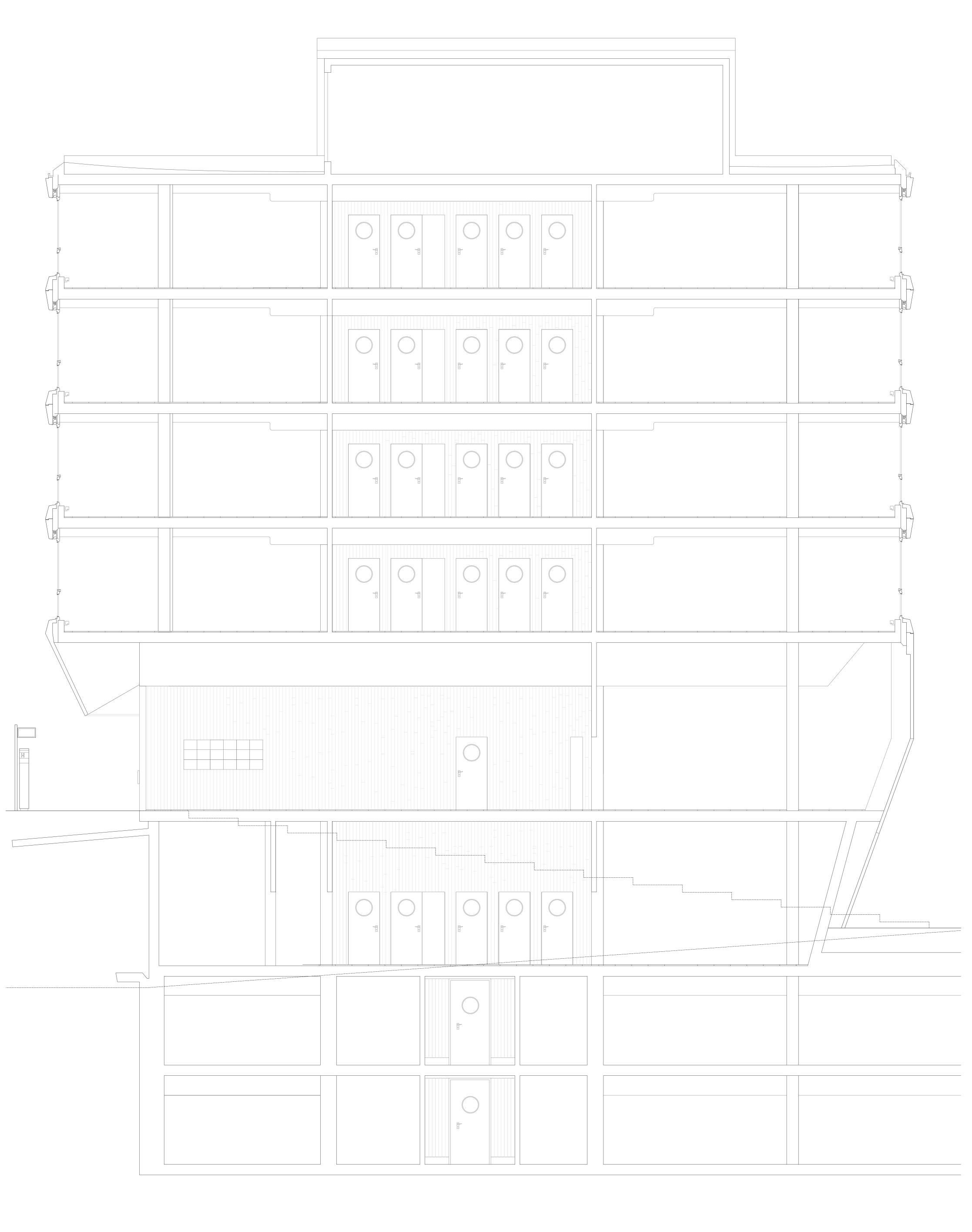


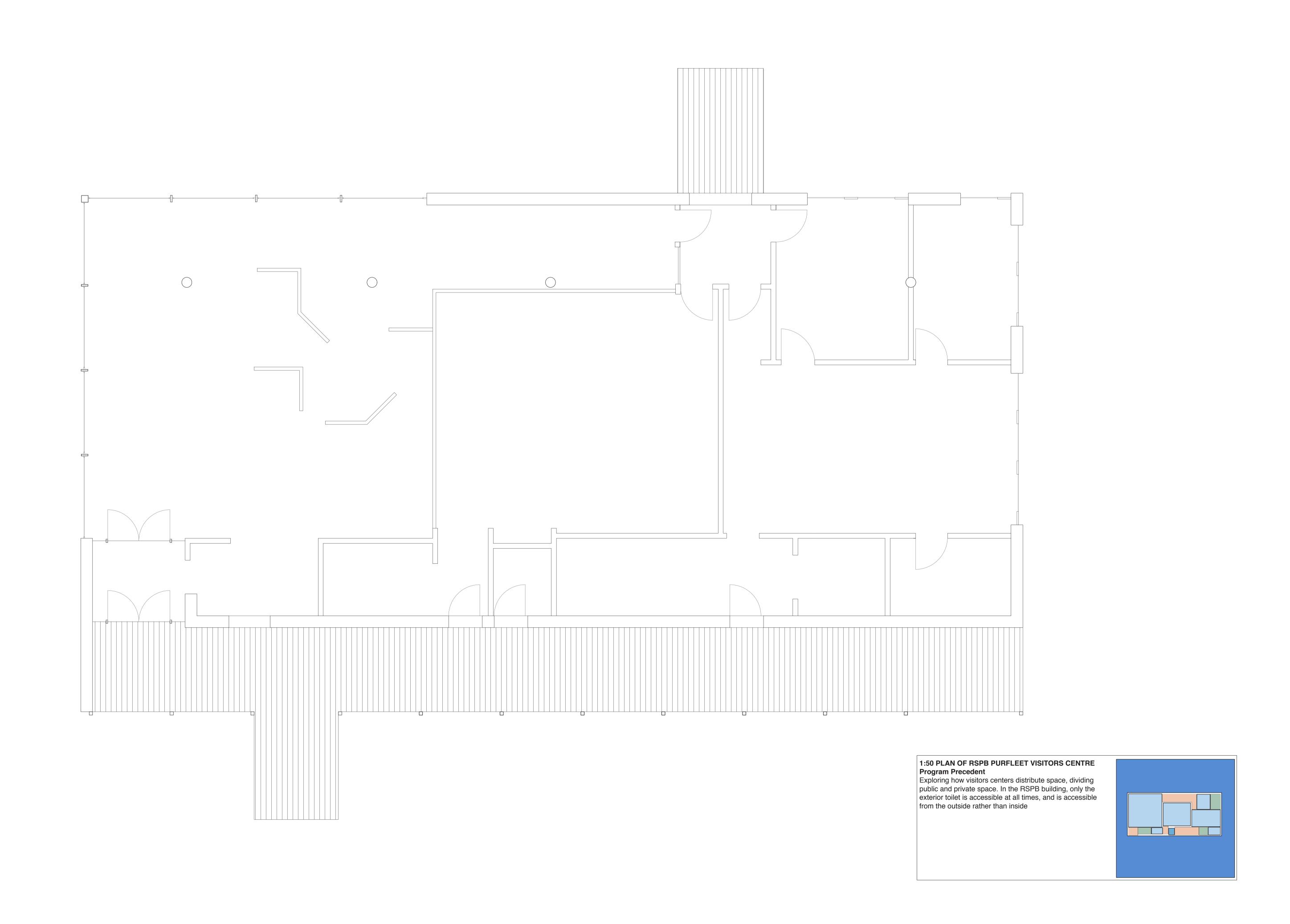


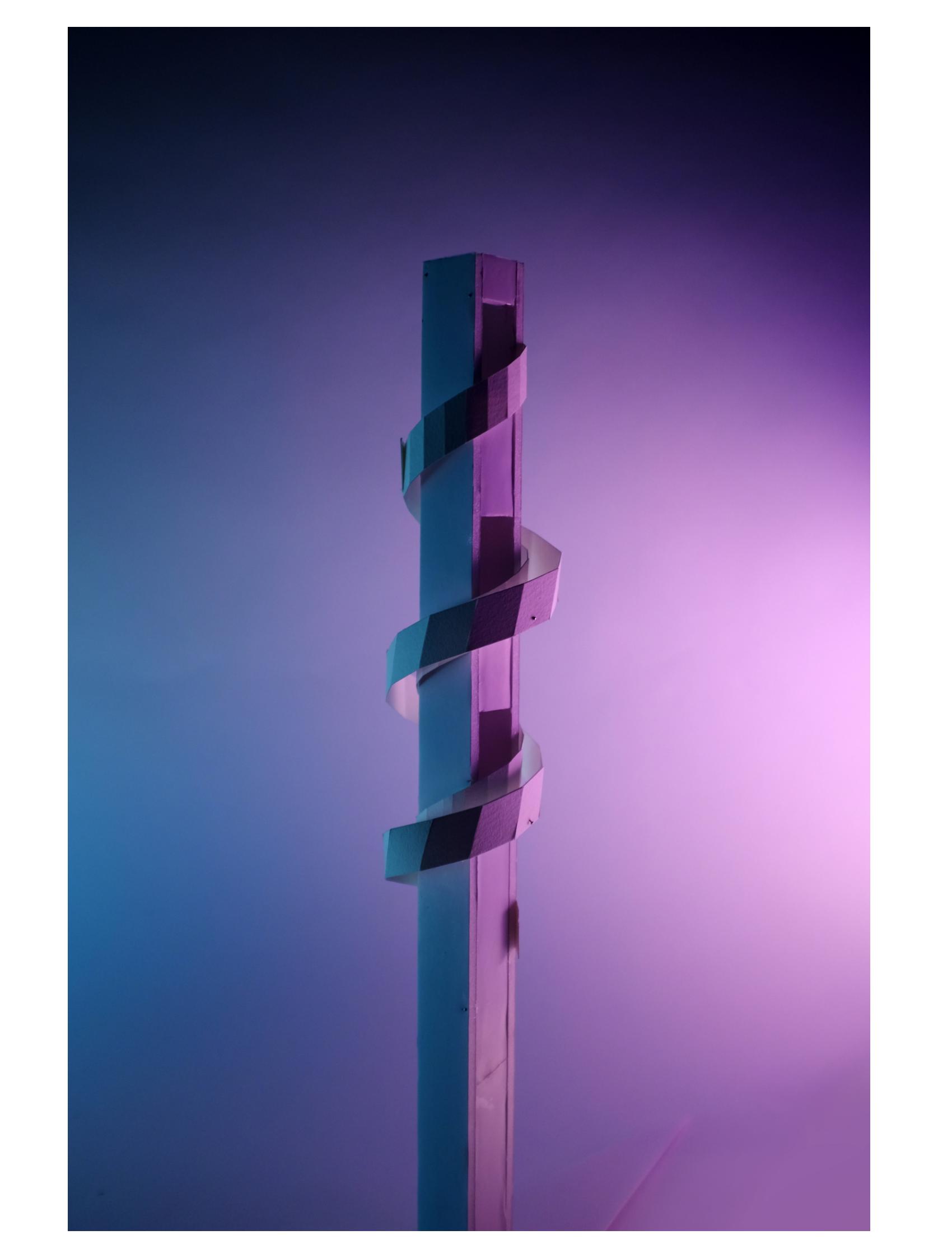


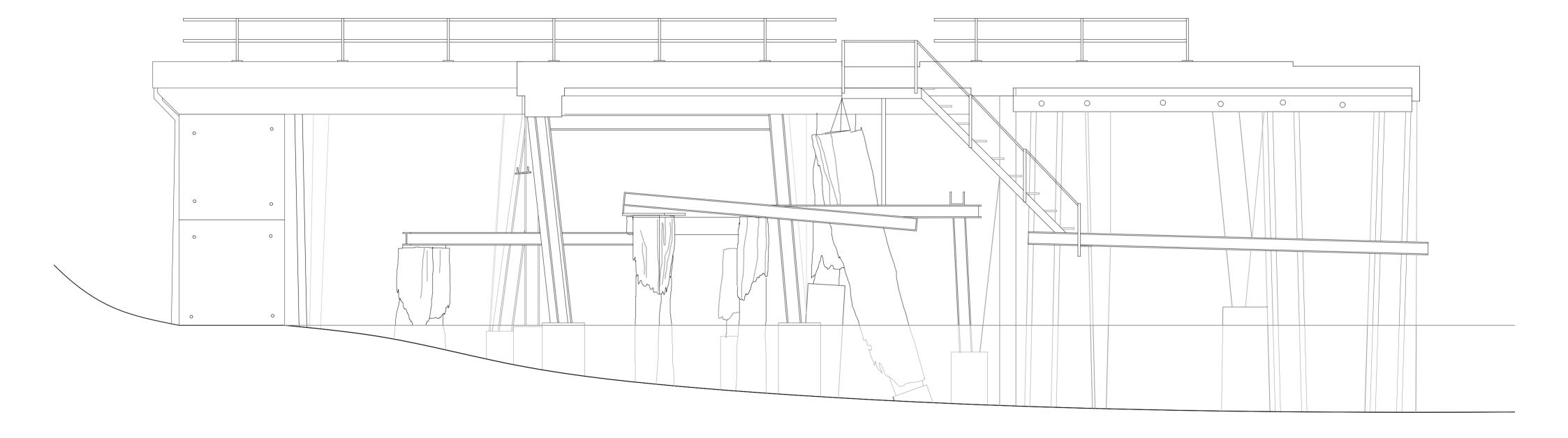


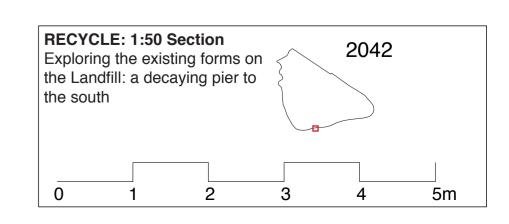
LEARNING FROM LAS VERSAILLES Exploration on how Versailles breaks up the triangular gardens into pathways and clearings

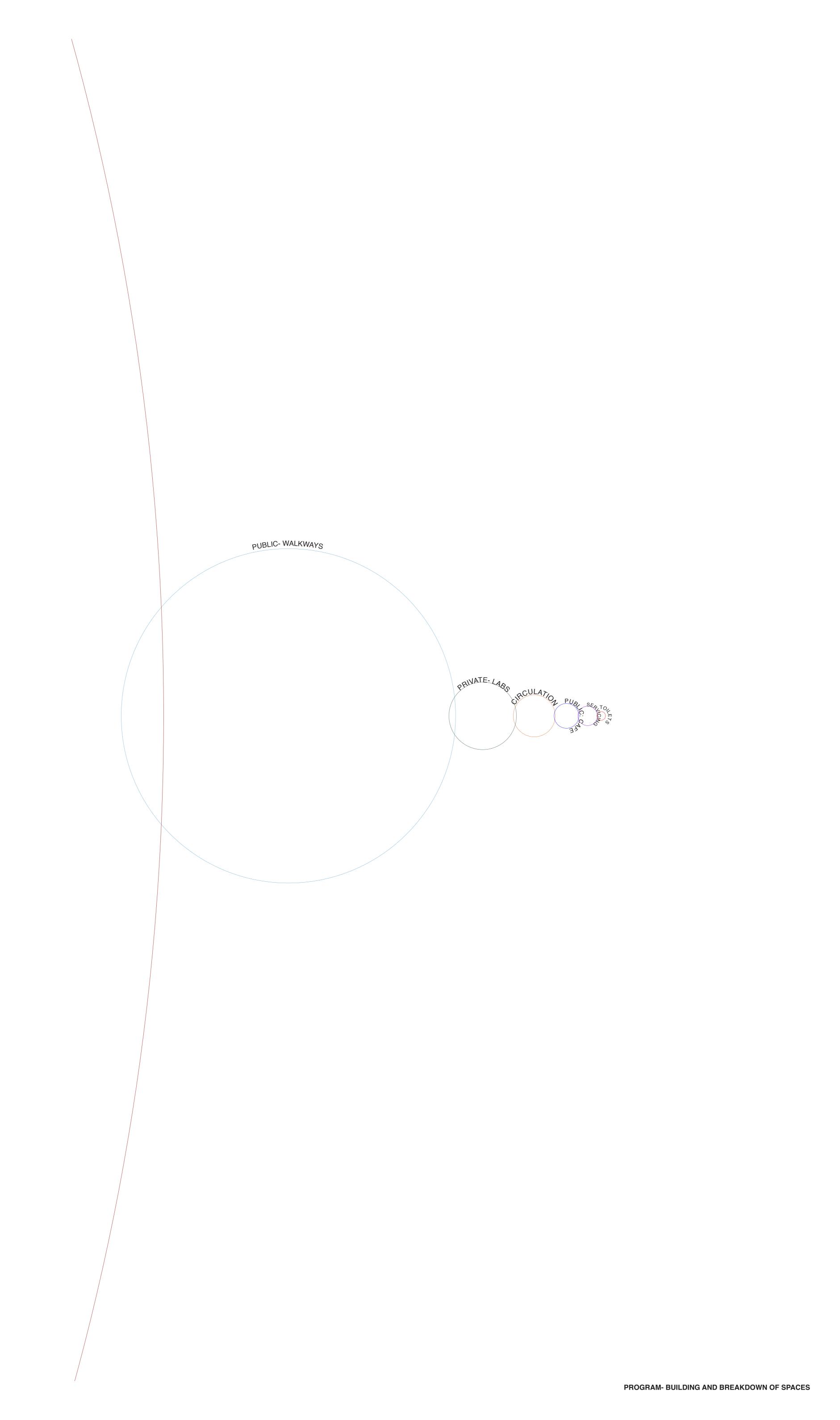


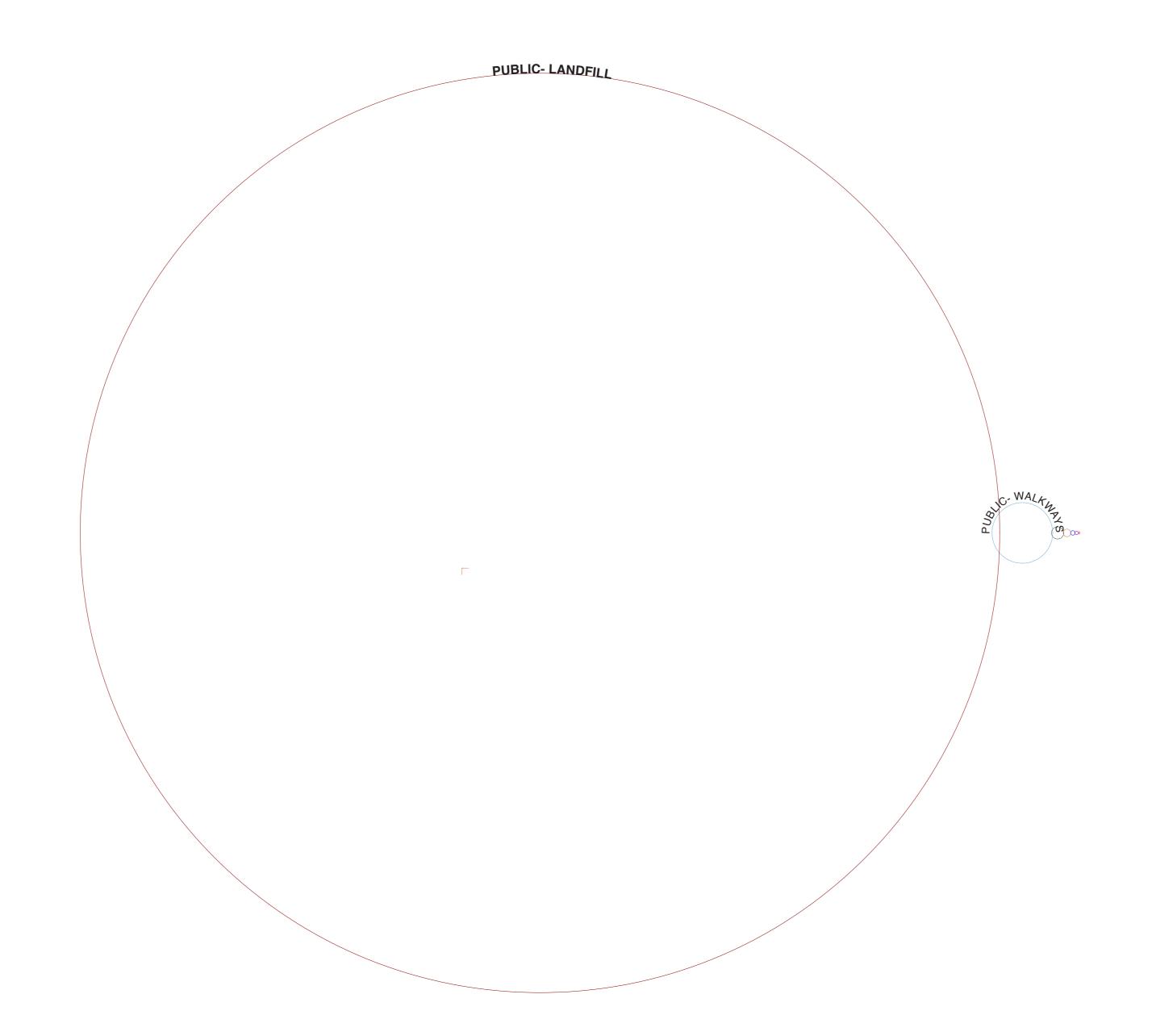


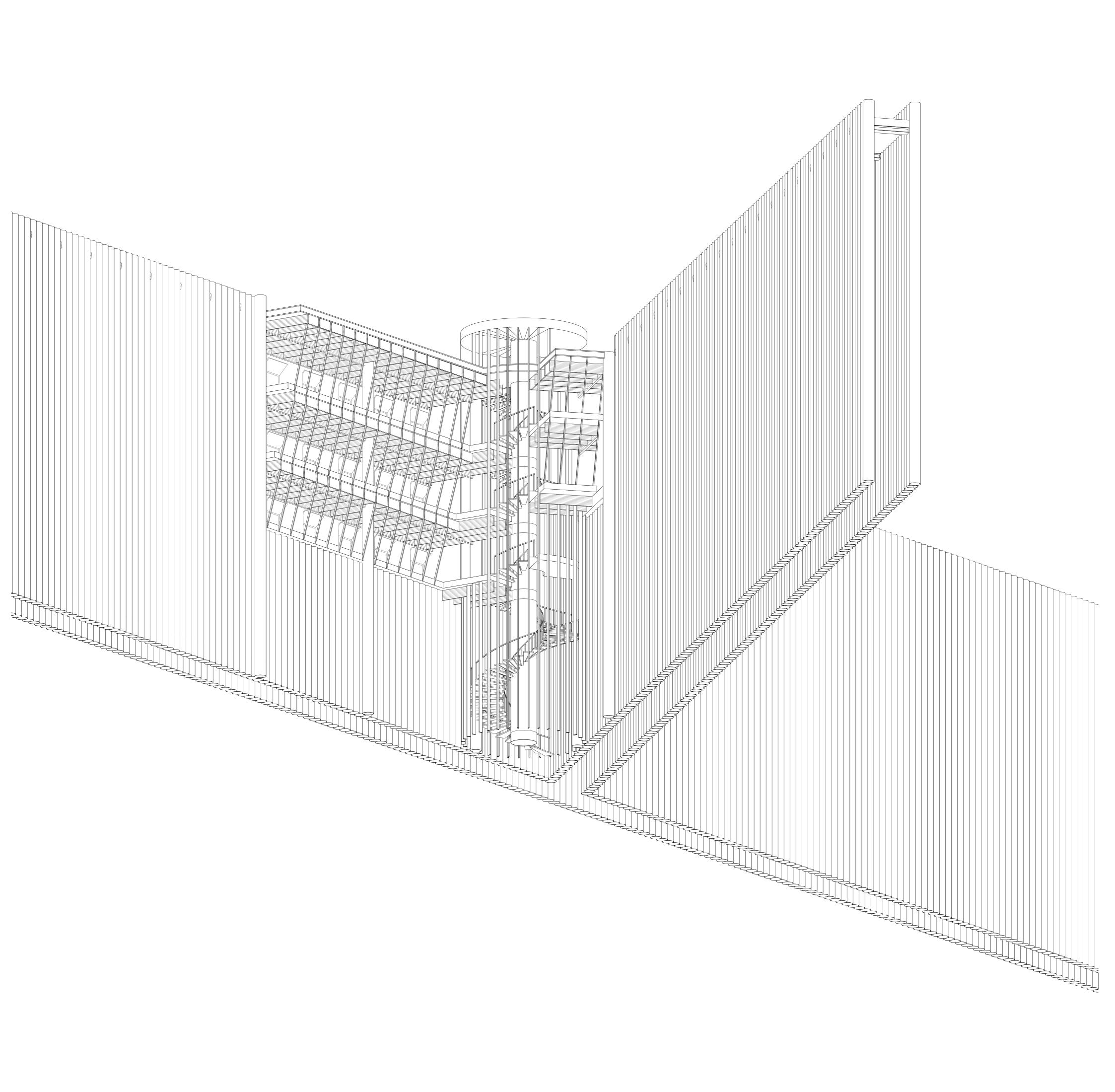


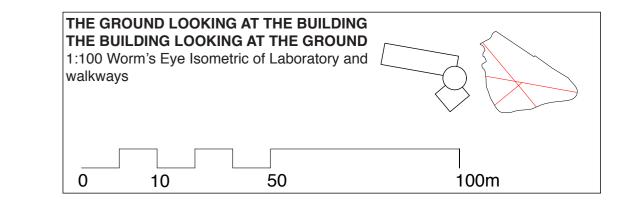


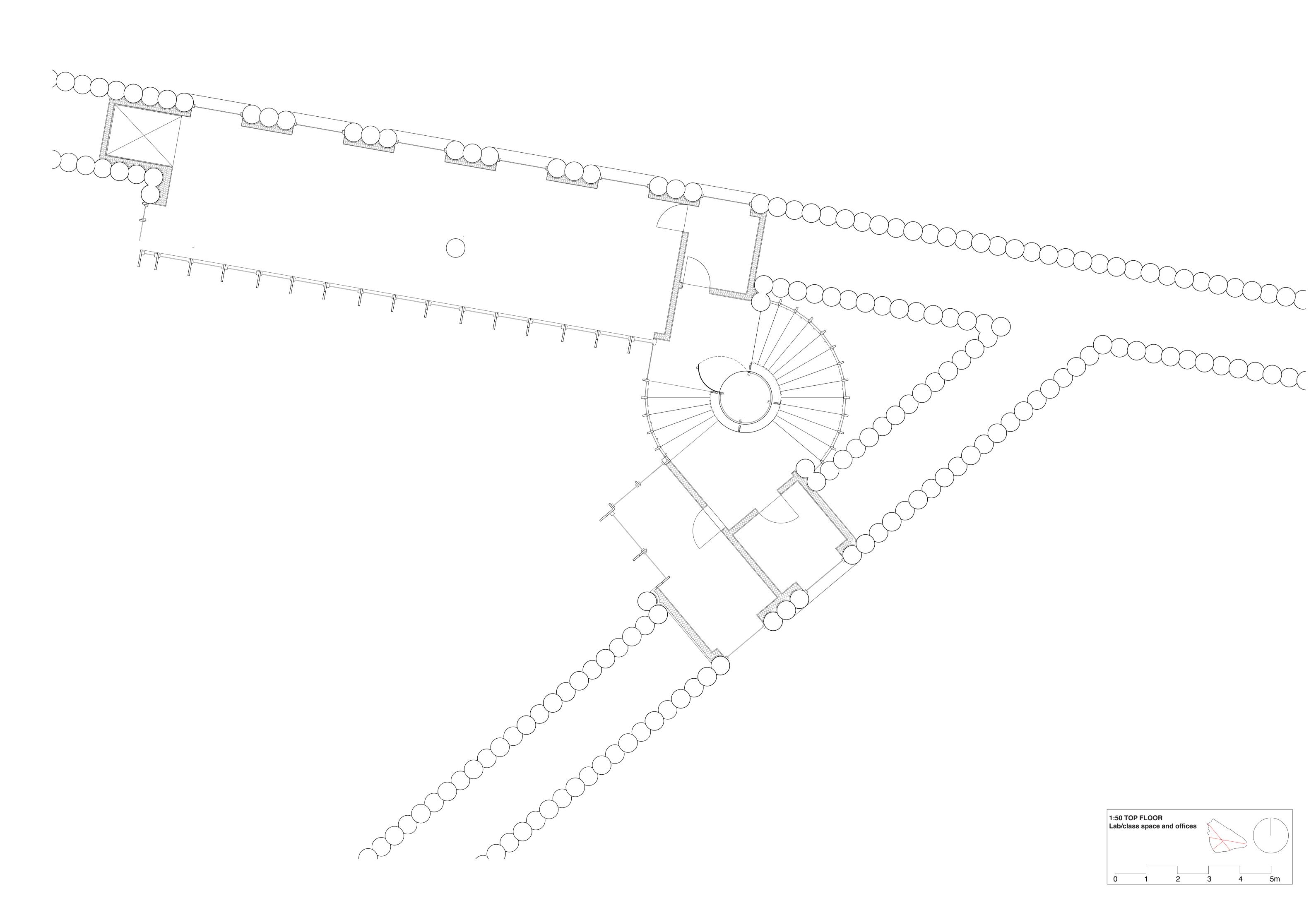


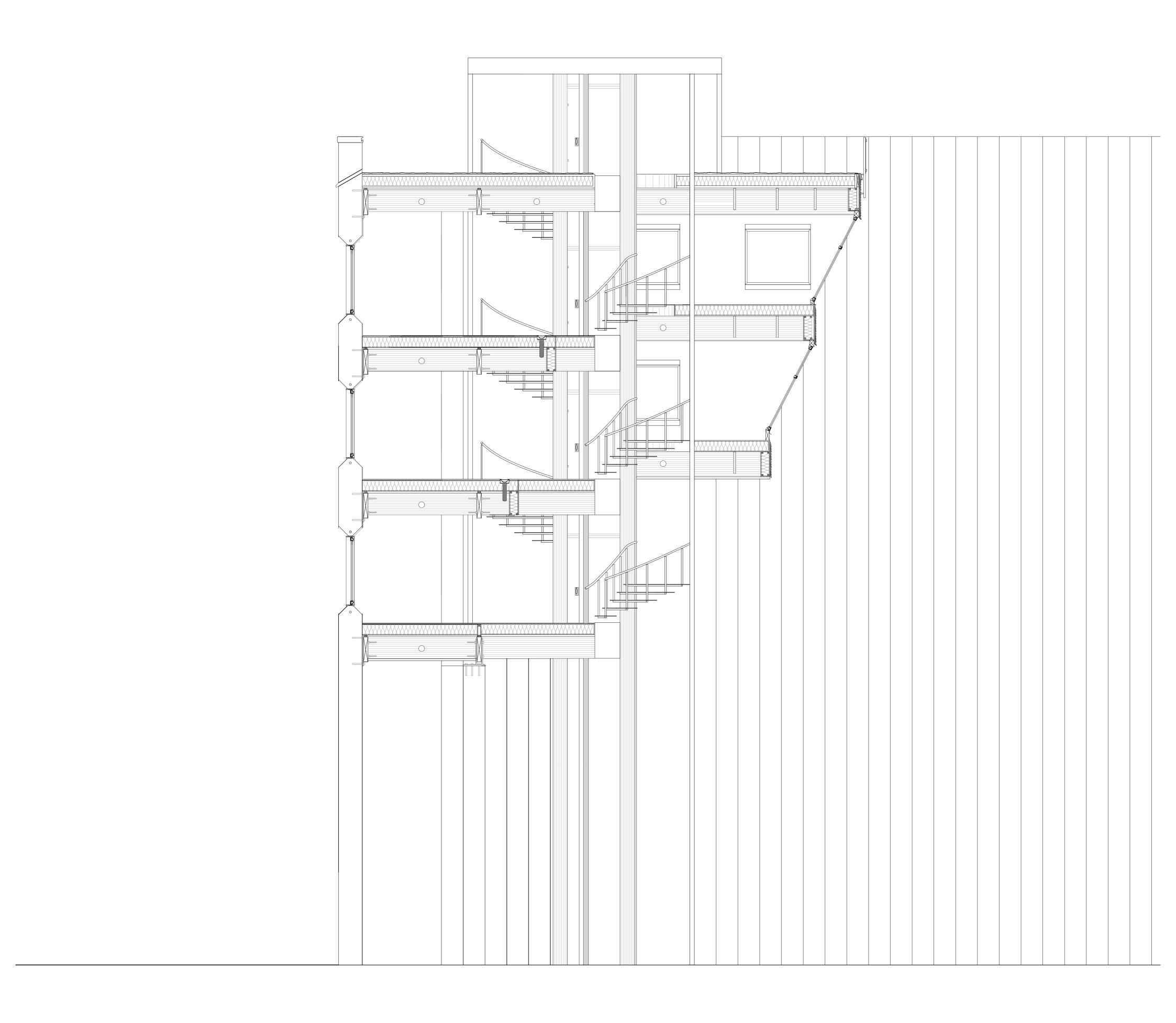


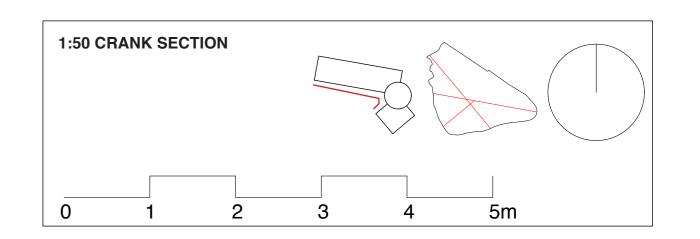


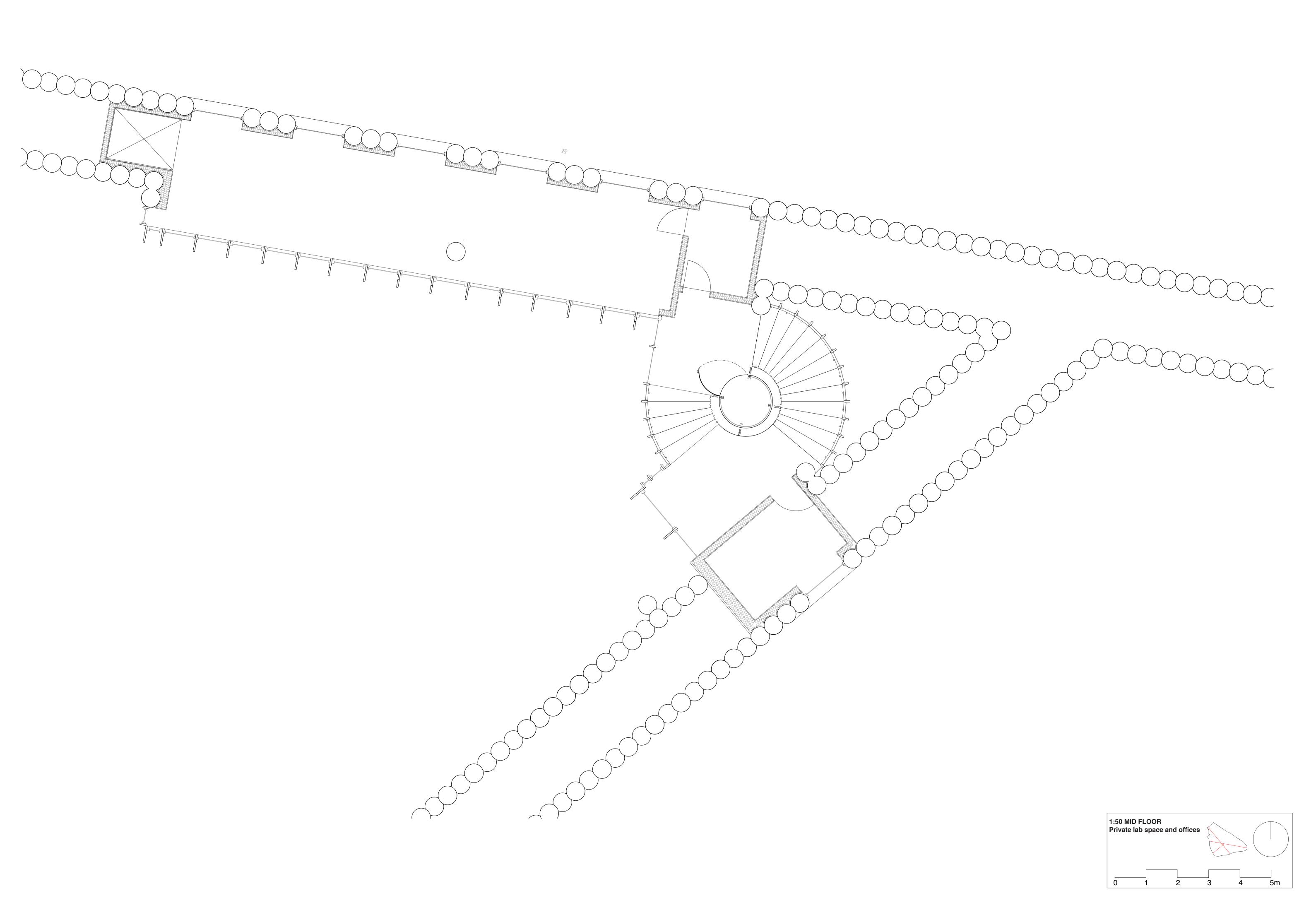


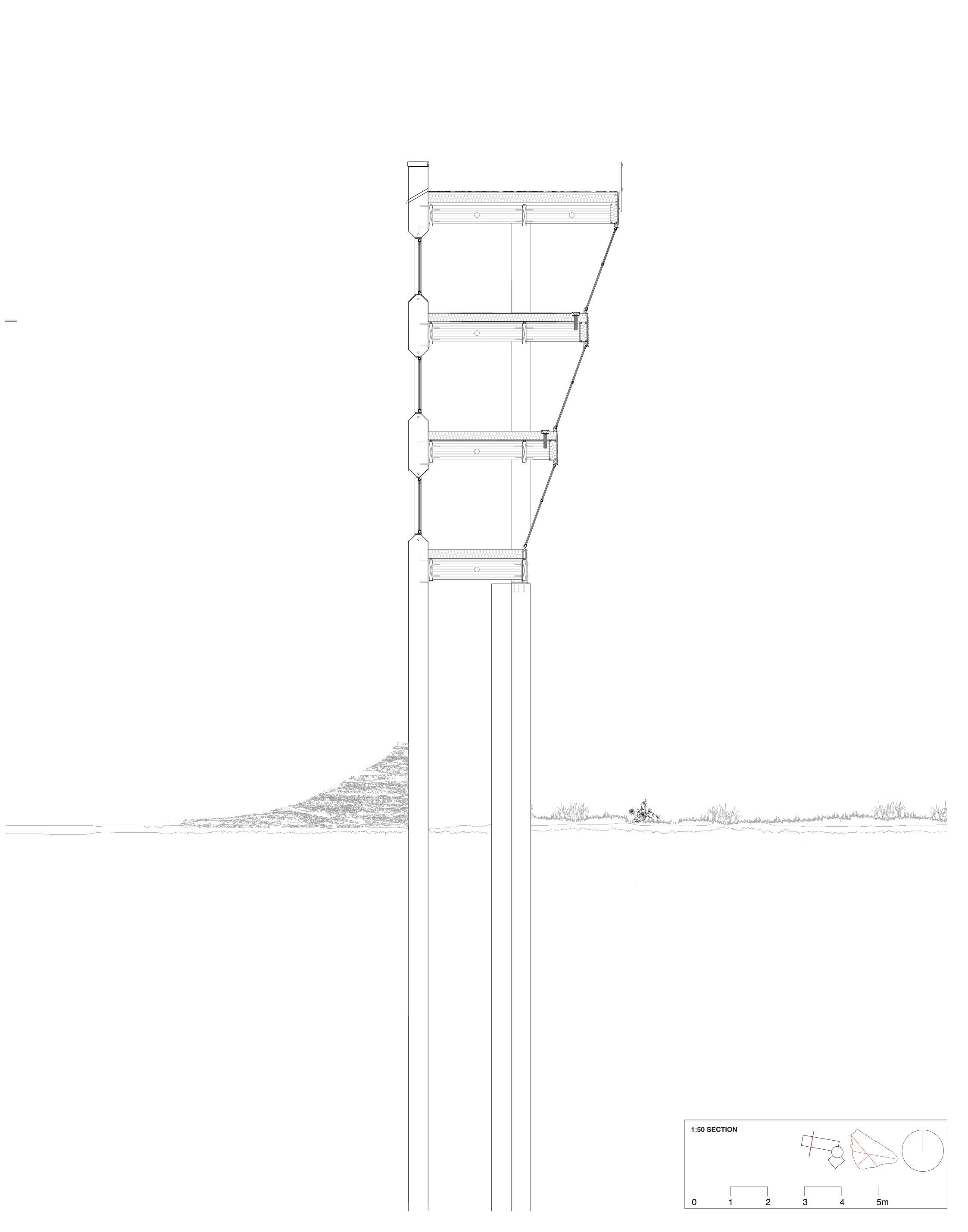


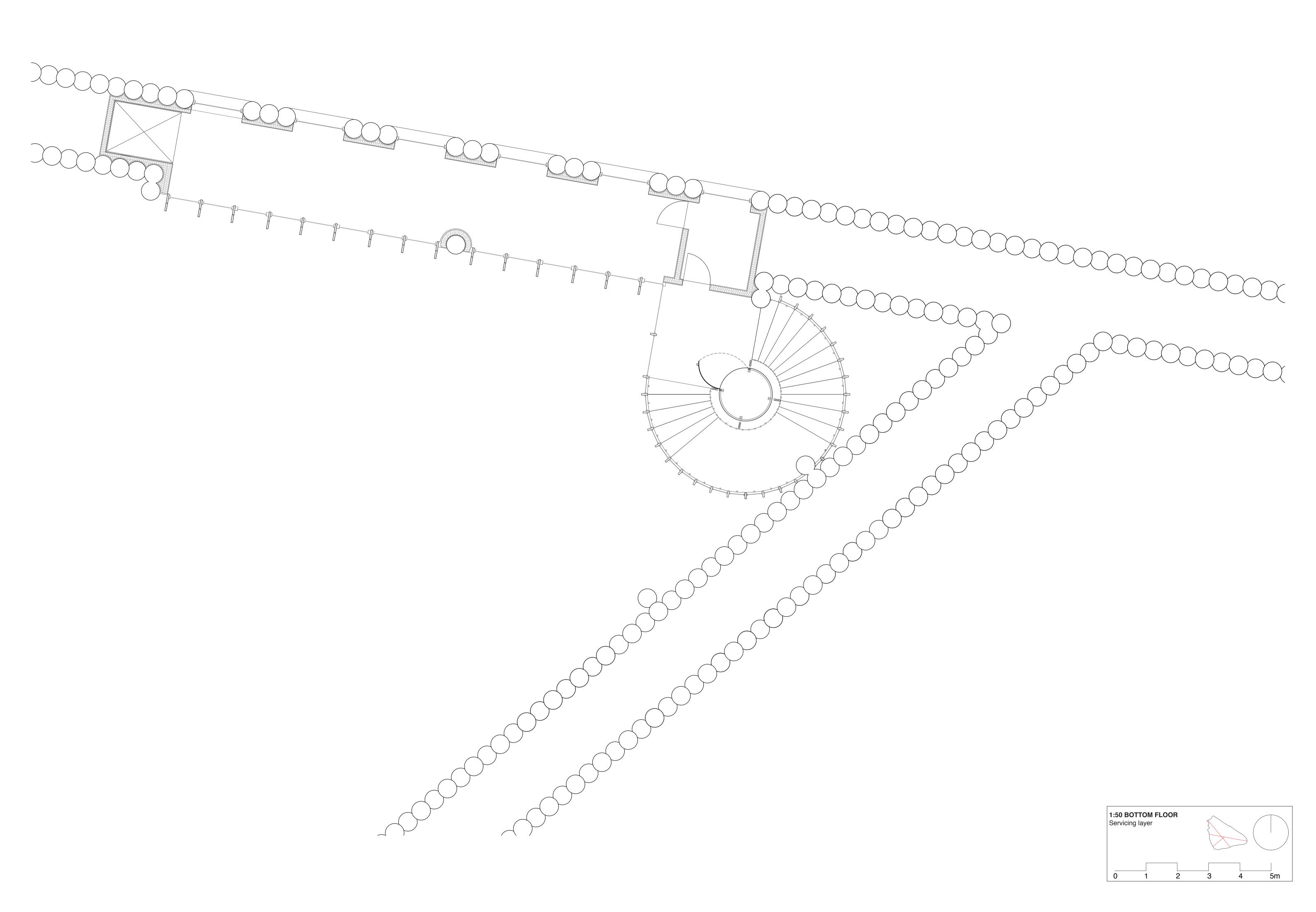


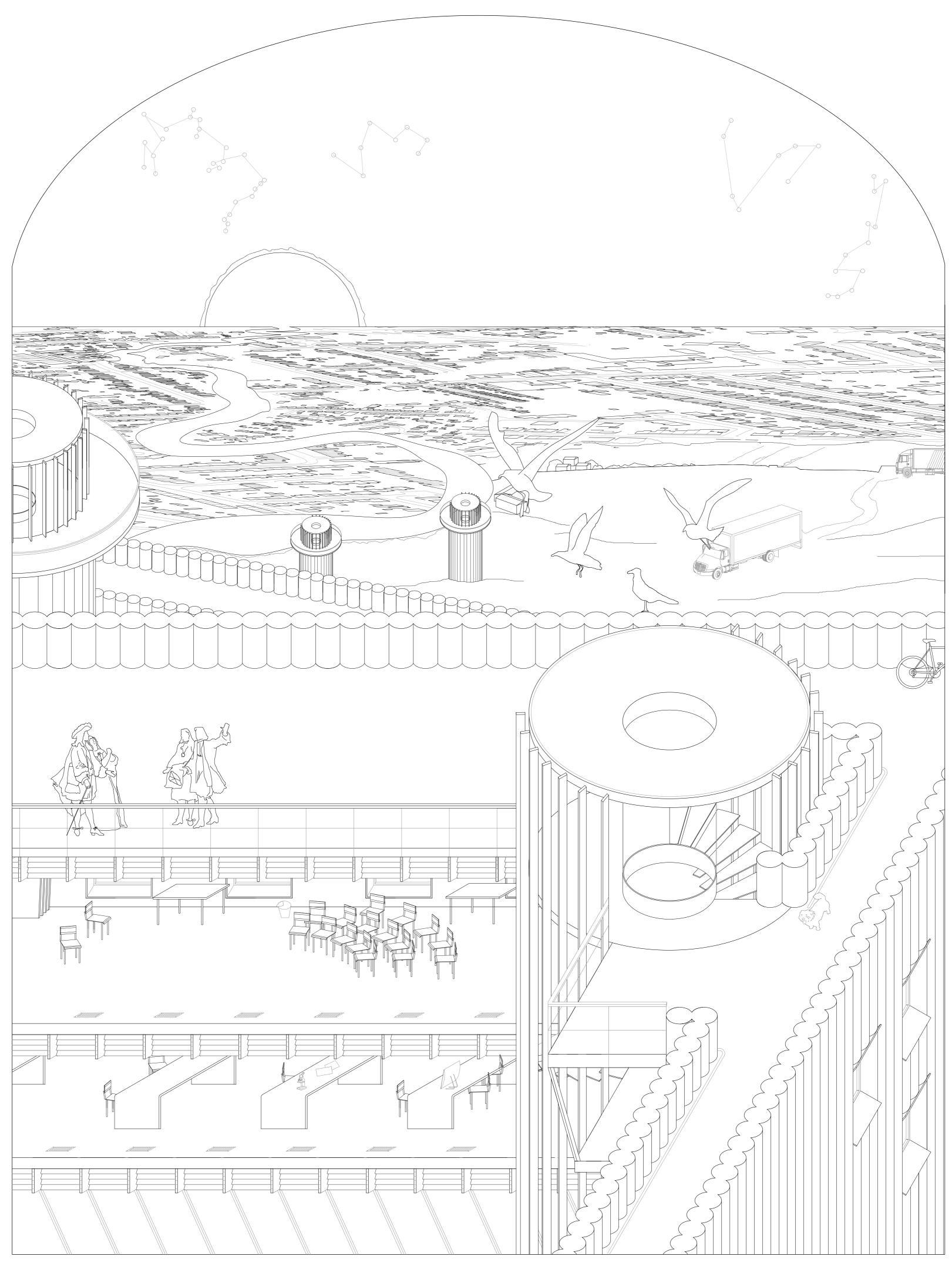












"We are all stardust, we are all trash. Spending time in rubbish places, with their people and their gulls, we may begin to unpick the weave of this rag rug world" mixed scale oblique isometric